Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

Pennsylvania—Western Maryland R.R.—According to press reports, this company will build a spur from its Connellsville Division into the Jenners-Quemahoning coal field in Somerset County. H. R. Pratt, Baltimore, Md., is Ch. Engr.

North Carolina—Avery Northwestern Ry.—This company has been incorporated to construct a railway from Edgemont to Newland, N. C., about 20 miles. The incorporators are W. W. Barber, Edgemont; A. P. Brinkley, E. C. Guy, C. B. Dancannon and J. W. Ragland, Newland. Noted Mar. 4.

Georgia—Savannah & Northwestern Ry.—This company contemplates the extension of its line from Waynesboro to Augusta, Ga., about 27 miles. Richard Morgan, Savannah, is Gen. Mgr.

✚**Florida**—Palm Beach & Everglades Ry.—This company has awarded the contract for the construction of a railway from Palm Beach to Lake Okeechobee, about 40 miles, to the EVERGLADES CONSTRUCTION CO. Noted Jan. 21.

Ohio—Cadiz & New Athens R.R.—Plans are being made by this company for the construction of a branch from Adena to Cadiz, Ohio.

South Dakota—Fairmount & Veblen Ry.—This company contemplates the construction of a railway from Mitchell to Wheeler, S. D. J. Rosholt, Fairmount, N. D., is Pres.

Arkansas—Poinsett Lumber & Mfg. Co.—Surveys are being made by this company for the extension of its logging road from Trumann to Harrisburg, Ark.

Texas—Quitman, Sulphur Springs & Great Northern Ry.—(Official)—We are advised that this company has completed preliminary surveys and plans to start construction about May 1 on its proposed railway from Quitman to Sulphur Springs, Tex. F. A. Palmer, Quitman, is Gen. Mgr. Noted Mar. 4.

New Mexico—Arizona & New Mexico Ry.—This company contemplates the construction of a 3½-mile branch line from Lordsburg, N. M., to a point in Grant County. P. Reisinger, Clifton, Ariz., is Ch. Engr.

Idaho—Eagle Pine Lumber Co.—The construction of a nine-mile standard gage railway to its property at Union, Idaho, is contemplated by this company. Clarke Bros. is the owner.

Washington—Spokane & British Columbia R.R.—Plans are being prepared by this company for the extension of its line from Republic to Spokane, Wash. F. M. Holland, Republic, is Gen. Mgr.

Alberta—Entwistle & Southern Alberta Ry.—Pringle, Thompson, Burgess & Cote, Ottawa, Ont., has applied for a charter for this company for the purpose of constructing a railway from Entwistle, Alta., to the Saskatchewan River, about 50 miles.

ELECTRIC RAILWAYS

Worcester, Mass.—The Worcester Consolidated St. Ry. Co. contemplates an expenditure of $75,000 for the improvement of its lines in Worcester. H. C. Page, Worcester, is Gen. Mgr.

Bristol, Conn.—The Bristol & Plainville Tramway Co. has applied to the Council for a franchise to construct a railway on Park St. C. E. Cockings, Bristol, is Mgr.

Hartford, Conn.—The New Britain St. Ry. Co. has applied for a franchise in Hartford. This is part of a proposed line to connect Hartford, New Britain, Plainville and Bristol.

New Britain, Conn.—The Connecticut Co. has applied to the City Council for a franchise to construct an electric railway on Farmington Ave. F. L. Beardsley, New Britain, is Supt.

Stafford Springs, Conn.—The Stafford Springs & Monson St. Ry. Co. is making financial arrangements for the construction of its proposed line from Stafford Springs to Monson. Robert H. Fisk, Stafford Springs, is interested. Noted Dec. 26, 1912 and June 26, 1913.

Gowanda, N. Y.—Interest in the construction of an electric railway to connect Gowanda, Buffalo and Jamestown is being revived. The right-of-way for the line has been secured and franchises are being sought from various towns along the route. J. B. Anderson, Ellington, and Franklin E. Ward, Gowanda, are interested in the project.

Lancaster, N. Y.—The Buffalo & Depew Ry. Co. contemplates the construction of an extension to its line from Lancaster to Bowmansville. George A. Ricker, Buffalo, is Ch. Engr.

Harrison, N. J.—The Public Service Ry. Co. will lay new rails on Harrison Ave. between Passaic and Fourth Ave., with new granite block paving between the tracks. R. E. Danforth, Newark, is Gen. Mgr.

Nicholson, Penn.—The Scranton & Binghamton Traction Co. will soon award contracts for the completion of its line from Nicholson to Montrose. T. C. Dougherty, Scranton, is Ch. Engr.

Phoenixville, Penn.—The Phoenixville, Valley Forge & Stafford Electric Ry. Co. will complete its railway from Valley Forge to Bridgeport and to Stafford during the year. Thomas E. O'Connell, Phoenixville, is Pres., Gen. Mgr. and Pur. Agt.

Burlington, N. C.—The Alamance, Durham & Orange Ry. & Electric Co. has been incorporated to construct an electric railway from Ossipee to Durham, connecting Altamahaw, Glencoe, Carolina, Hopedale, Burlington, Graham, Haw River, Swepsonville, Saxapahaw, River Falls and Chapel Hill. The incorporators are: Junius Harden, John M. Cook, C. Brown Cox and D. M. Teague.

Richmond, Va.—The Virginia Ry. & Power Co. is considering plans for the extension of its Forest Hill line. C. B. Buchanan, Richmond, is Gen. Mgr.

New Iberia, La.—Plans are being considered by the Southwestern Traction & Power Co. for the construction of an electric railway from New Iberia to Jeanerette. F. W. Crosby, New Iberia, is Gen. Mgr.

Cleveland, Ohio—The Cleveland Ry. Co. is considering plans for the extension of its line on East 79th from Kinsman Rd. to the Pennsylvania R.R. tracks. George L. Radcliffe, Cleveland, is Gen. Mgr.

Findlay, Ohio—The Toledo, Bowling Green & Southern Traction Co. is preparing plans for the improvement of its lines in Findlay. C. F. Smith, Findlay, is Gen. Mgr. and Pur. Agt.

Hamilton, Ohio—The Richwood-Hamilton Traction Co. has been incorporated to construct an electric railway from Hamilton to Richwood. Eugene Purtelle is interested.

Sciotoville, Ohio—The Ohio Valley Traction Co. is preparing to start work soon on the extension of its line from Sciotoville to Ironton. W. A. Martin, Portsmouth, is Ch. Engr.

Chicago, Ill.—The Union Ry. & Power Co. is making preliminary arrangements for the construction of an electric railway to connect South Chicago and Harvey, Ill., and Hammond and Gary, Ind. J. W. Paul, 161 Quincy St., Chicago, is Gen. Mgr. Noted May 14, 1914.

Elkhorn, Wis.—Plans are being prepared by the Milwaukee Electric Ry. & Light Co. for the extension of its electric railway from Elkhorn to Delavan. S. B. Way, Milwaukee, is Vice-Pres. and Gen. Mgr.

Keokuk, Iowa—H. W. Knight and Thomas Pettersen, Chicago, Ill., are interested in the construction of an electric interurban railway to connect Keokuk, Iowa, and Jefferson City, Mo. Preliminary work is now being done.

Manhattan, Kan.—The Manhattan City & Interurban Ry. Co. plans to build one mile of new track in Manhattan. Joseph T. West, Manhattan, is Gen. Mgr. and Pur. Agt.

Buffalo, Ark.—G. Tuplegraff, Helena, Ark., is interested in the construction of an electric railway from Buffalo to Yellville.

Monterey, Calif.—Plans are being considered by the Monterey-Pacific Grove Ry. Co. for the extension of its line from Monterey to Fresno. H. F. Jackson, Holbrook Bldg., San Francisco, is Vice-Pres. and Gen. Mgr.

Redwood City, Calif.—E. F. Fitzpatrick, Redwood City, is interested in the construction of an electric railway from the harbor site to the foothills of the city.

Hamilton, Ont.—The Hamilton St. Ry. Co. plans to start work soon on the extension of its Birch Ave. line across Coal Oil Inlet in Hamilton. Edward P. Coleman, Hamilton, is Gen. Mgr.

London, Ont.—Extensive plans are being prepared by the London St. Ry. Co. for the improvement and extension of its lines in London during the year. C. B. King, is Mgr. and Pur. Agt.

Ottawa, Ont.—The Ottawa Electric Ry. Co. is preparing to construct an extension along Bronson St. in Ottawa. W. H. Baldwin, Middle St., Ottawa, is Ch. Engr.

LIGHT, HEAT AND POWER

Milton, N. H.—John B. Giguerre has made application to the Public Service Commission for authority to construct and operate an electric-light and power plant in Milton.

✚**Bristol, Conn.**—The Bristol & Plainville Tramway Co. has awarded the general contract to FRED T. LEY & CO., INC., Main and State St., Springfield, Mass., for the construction of a gasometer of 250,000 cu.ft. capacity.

Hartford, Conn.—Bids are being received by Ford, Buck & Sheldon, Inc., 60 Prospect St., for the construction of 45x85-ft., brick and reinforced-concrete boiler house and a 20x85-ft. coal pocket.

Albany, N. Y.—The Canadian-American Power Co. has made application to the Public Service Commission, Second District of New York, for permission to issue stock, merge, and commence construction work.

✚**Elba, N. Y.**—The Elba Food Products Co. has awarded the contract for the construction of a power house and warehouse, the first buildings of its new canning and preserving plant, to JOHN LENNON, SON & CO., Niagara Falls. Noted Feb. 18.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., Mar. 22, by the Board of Health, Department of Health, Centre and Walker St., Borough of Manhattan, for the general construction, plumbing and gas fitting and steam heating of two concrete pavilions on the grounds of the Department of Health Riverside Hospital, North Brother Island, Borough of Bronx. Bids will

be received at the same time for the electric circuit work of Pavilions Nos. 8 and 9 on the grounds of the Department of Health, North Brother Island. S. S. Goldwater, M. D., is Pres. Bd. of Health.

Wellsville, N. Y.—See item under "Water Supply-Irrigation."

✚Philadelphia, Penn.—The Committee on Property of the Board of Education has awarded the following contracts for a new 33-room school at 56th St. and Kingsessing Ave.: Heating, THOMPSON BROS., $42,176; electrical work, CATES & SHEPARD, $19,820; plumbing, N. CONNELLY, $11,774; ventilating, BOWERS BROS., $3075. Contracts for an 18-room addition to the Sharswood School were awarded to S. FAITH & CO., at $13,245 for heating, and to CATES & SHEPARD at $8794 for electrical work. S. FAITH & CO., at $4079 was awarded the contract for heating plant in a 6-room addition to the Morton School.

Stroudsburg, Penn.—Press reports state that the Frisbie Lumber Co. is considering the construction of an addition to its power plant. The plans include building a power station, installing a new generator and constructing a brick conduit six ft. in diameter and about 250 ft. long.

Baltimore, Md.—It is reported that James Stewart & Co., contractor, Westminster Bldg., Chicago, Ill., is receiving bids for electrical equipment and other machinery, estimated to cost $150,000, for a grain elevator in Baltimore for the Western Maryland Ry.

★Kinston, N. C.—(Official)—Bids will be received until 5 p.m., Apr. 6, by the Mayor and City Council for improvements to the electric-light plant. Fred I. Sutton is Mayor. For further particulars, see advertisement under "Contracts to Be Let."

✚Winnsboro, S. C.—The Board of Public Works has awarded the contract for the installation of a 125-kw. unit in the municipal electric-light plant to the J. B. McCRARY CO., Atlanta, Ga.

Birmingham, Ala.—The Alabama Power Co. announces that it has taken over the public service corporations at Anniston, Decatur, Huntsville, Attalla and Pell City, and will spend about $2,000,000 in making improvements and extensions at these points. Funds for the work will be provided by the Alabama Traction, Light & Power Co., New York, N. Y., the holding company of the Alabama Power Co.

✚New Haven, Ky.—The contract for equipment for the municipal electric-light plant has been awarded to FAIRBANKS, MORSE & CO., 517 West Main St., Louisville, Ky. Charles R. Heizer is Engr.-in-Charge.

Cleveland, Ohio—Bids will be received until noon, Mar. 26, by the Commissioner of Purchases and Supplies, 511 City Hall, for transformers for the municipal light department. F. W. Ballard is Comr. of Light and Heat Dept.

Cleveland, Ohio—Bids will be received until noon, Apr. 1, by the Commissioner of Purchases and Supplies, 511 City Hall, for the construction of the East 79th St. substation for the municipal electric-lighting system. F. W. Ballard, 1443 East Third St., is Comr. of Light and Heat Dept.

Springfield, Ohio—It is reported that the Springfield Light, Heat & Power Co. is having plans prepared for repairs and extensions to its plant estimated to cost $60,000. Weare Parsons is Treas. and Mgr.

Toledo, Ohio—Bids will be received until 10 a.m., Mar. 26, by Charles J. Sanzenbacher, Audr. of Lucas County, for the construction of a new heating, lighting and power plant for the Lucas County Children's Home. Edward Bayer, 1530 Nicholas Bldg., Toledo, is Arch. Noted Oct. 15 and Jan. 7.

Milltown, Ind.—It is reported that the Electric Service Co. plans to install an electric-light plant in Milltown. J. B. Speed & Co., Louisville, Ky., can furnish information.

Lansing, Mich.—It is reported that the Michigan Power Co. contemplates improvements and extensions to its plant to cost about $30,000, of which $10,000 will be spent on the power station and the remainder on the distributing system in Lansing and vicinity. D. R. Thomas is Gen. Mgr.

Janesville, Wis.—The Janesville Electric Co. is having plans prepared for rebuilding its plant which was recently destroyed by fire. D. C. Jackson and William B. Jackson, Harris Trust Bldg., Chicago, Ill., are Engrs.-in-Charge. P. H. Korst is Secy. and Mgr. of the Janesville Electric Co.

✚Rice Lake, Wis.—The Red Cedar Valley Electric Co., Rice Lake, has awarded the contract for one 225-hp. Diesel oil engine, direct-connected to a 160-kw. generator and 12,000-gal. oil tank to the BUSCH-SULZER BROS. DIESEL ENGINE CO., St. Louis, Mo. This equipment will form an auxiliary to the company's hydro-electric plant consisting of two 160-kw. generators.

Wyocena, Wis.—Bids will be received until Mar. 23 by the Clerk of Columbia County, Portage, for electric wiring and fixtures for a new poor house, and for a central heating plant on the farm of the Asylum for Chronic Insane at Wyocena. Allan D. Conover, 36 Tenney Block, Madison, is Arch. Noted Feb. 11.

Chisholm, Minn.—It is reported that the Chisholm Electric Co. has had plans prepared for an addition to its power plant to cost about $50,000. R. M. Heskett, Chisholm, is Secy.-Treas. and Mgr.

Duluth, Minn.—Press reports state that the Barnett & Record Co., contractor, will build a fireproof engine and boiler room at Connor's Point to cost about $4000.

Bucklin, Kan.—Plans are being considered for the enlargement of the municipal electric-light plant. No definite arrangements have been made. C. E. Ward is Supt.

✚Ellsworth, Kan.—It is reported that the People's Electric Light & Power Plant has awarded the contract for remodeling the plant and installing new equipment to JOHN SNOWBALL, Ellsworth, at about $9000. M. G. Beighley is Mgr. and Cont. Agt.

Madison, S. D.—(Official)—Bids will be received until 8 p.m., Mar. 29, by the City Commissioners for electrical equipment for improving the municipal power plant. It will include one engine of about 350-hp., either crude oil or producer gas, generator, exciter, etc. George H. Waskey is Mayor. William Rae is City Audr. Noted Jan. 7 and 28.

Malvern, Ark.—It is reported that the Citizens' Light Co., recently organized with a capital stock of $20,000, will apply for a franchise to equip and operate a power plant in Malvern. R. S. Brooks and Thomas Edwards are interested.

Marshall, Tex.—It is reported that the Marshall Electric Co. will build a transmission line from Marshall to Jefferson, a distance of 14 miles. C. H. Nandell is Gen. Supt.

Ozona, Tex.—The Ozona Improvement Co. is making arrangements to rebuild its plant, discarding its present equipment entirely. The new equipment is estimated to cost $4500, and will include two 25-hp. Fairbanks-Morse oil engines, generators and switchboard. Frank Friend is Mgr.

Seguin, Tex.—See item under "Water Supply-Irrigation."

Bartlesville, Okla.—The Bartlesville Interurban Ry. Co. is considerihg plans for enlarging its power plant at a cost of about $5000. An addition to the present building will be constructed and a new condenser installed.

Hugo, Okla.—The Hugo Ice & Light Co. plans to install a new turbine and condenser and some other equipment in its plant. J. W. Dawley is Vice Pres. and Gen. Mgr.

Brawley, Calif.—The Holton Power Co., Holtville and El Centro, is having plans prepared for the construction of a new substation at Brawley. C. E. Paris, El Centro, is Gen. Mgr.

Springville, Calif.—The San Joaquin Light & Power Corporation, Fresno, plans to construct a canal from a point on the Camp Nelson branch of the Tule River, nine miles above the power house. There will be two miles of tunneling, the longest of which will be 900 ft. A. G. Wishon, Fresno, is Gen. Mgr.

London, Ont.—It is reported that the City Council will purchase new hydro-electric equipment, estimated to cost $62,000. No bids will be asked. H J. Glaubitz is Gen. Mgr.

Niagara Falls, Ont.—It is reported that the Canadian Niagara Power Co. will spend about $3,000,000 in the construction of a concrete dam and the installation of turbines and generators at Niagara Falls. L. E. Imlay, Niagara Falls, is Supt.

BRIDGES

✚Hartford, Conn.—The State Highway Commissioner has awarded the contract for the construction of a bridge in Stonington Township to C. W. BLAKESLEE & SONS, New Haven, at about $6315.

South Manchester, Conn.—It is reported that the town plans to build a reinforced-concrete bridge at Bissell St. Erwin Brewer is Supt. of Sts.

Elma, N. Y.—Bids will be received until 2:30 p.m., Mar. 20, by the Town Council for the construction of a reinforced-concrete bridge. Nathaniel Hucker, Jr., Rice Rd., Elma Center, N. Y., is Town Clk. George P. Diehl, 575 Ellicott Sq., Buffalo, is Engr.

Greenwich, N. Y.—(Official)—We are advised by the Concrete-Steel Engineering Co., Park Row Bldg., New York, that this company has been retained by the towns of Greenwich and Easton to prepare plans for three concrete bridges over the Battenkill: one each at Greenwich, Clarks Mills and Middle Falls. At a special town meeting Feb. 23, the town of Greenwich voted in favor of these bridges, but the town of Easton voted against their construction. The present structures at these points have been condemned. Noted Feb. 18.

★Camden, N. J.—(Official)—Bids will be received until 11 a.m., Apr. 12, by the Board of Chosen Freeholders of Camden County for the construction of two reinforced-concrete arches on Kings Highway. Fred W. Gercke is Chn. Bridge Com. J. J. Albertson is County Engr. See advertisement under "Contracts To Be Let."

✚Camden, N. J.—The Board of Chosen Freeholders of Camden County has awarded the following bridge contracts: Ogden's Branch and Lebanon Branch Bridges to the GROTON BRIDGE CO., Trenton, at $2125 and $2134 respectively; Scotland Branch Bridge, BRIDGETON CONSTRUCTION CO., Bridgeton, $1280; Almshouse Road Bridge, WHITAKER & DIEHL, Harrisburg, Penn., $2928; culvert at Wood's Branch, E. P. HENRY, Woodbury, $1050.

Lambertville, N. J.—The City Council and the Board of Chosen Freeholders of Hunterdon County, Flemington, are considering the construction of a new bridge over Swan Creek on South Union St., Lambertville.

New Brunswick, N. J.—It is reported that the Board of Chosen Freeholders of Middlesex County has applied to the War Department for permission to build a new bridge at the causeway, South River. Alvin B. Fox, Perth Amboy, is County Engr. Noted Dec. 17.

Somerville, N. J.—(Official)—Bids will be received until 10 a.m., Apr. 2, by the Board of Chosen Freeholders of Somerset County for the construction of five bridges in the county. J. Doughty, Jr., is County Engr. Louis E. Ople is Dir. Bd. of Chosen Freeholders.

Hollidaysburg, Penn.—Press reports state that the Commissioners of Blair County will advertise about Apr. 1 for the construction of eight concrete bridges in the county. The largest will be a 208-ft. structure over the Juniata River below Tyrone; one bridge will be over Van Scoyoc's Run, Snyder Township, one over Plum Creek, Taylor Township, one in Greenfield Township, two near Duncansville, and two over Burgoon's Run, Logan Township.

Hiltons, Va.—(Official)—Bids will be received until 11 a.m., Mar. 22, by the Clerk of the Circuit Court of Scott County, Gate City, for the construction of a bridge over Cove Creek about nine miles from Hiltons. G. P. Coleman, Richmond, is State Highway Comr.

Petersburg, Va.—It is reported that plans have been completed by R. D. Budd, City Engr., for a $500,000 bridge over the Appomattox River, and the selection of a site for its lo-

cation is now under consideration. It will be of reinforced concrete. Noted Aug. 6, 1914.

Durham, N. C.—The Board of Commissioners of Durham County plans to build four steel bridges at an estimated cost of $5000 each. O. W. Childs is Engr.

✚Wilmington, N. C.—It is reported that contracts for the construction of a bridge at Hilton have been awarded to the VAUGHN CONSTRUCTION CO., Shawsville, Va., for the substructure, and the VIRGINIA BRIDGE & IRON WORKS, Roanoke, Va., for the superstructure. The total cost will be about $60,000.

✚Tampa, Fla.—The Board of Commissioners of Hillsboro County has awarded the contract for the construction of concrete culverts and bridges in connection with brick road pavement, to the KEYNTON CONSTRUCTION CO., at $11,686.

Clinton, Tenn.—Bids will be received until Mar. 25 by the Bridge Committee of Anderson County for the construction of three bridges over the Clinch River, one each at Clinton, Moores Ferry and Edgemoor. They will be of reinforced-concrete or steel on concrete piers and abutments. The estimated cost is $20,000. C. J. Sawyer is Chn. of Bridge Com. Noted Jan. 21 and Feb. 18.

Leitchfield, Ky.—Bids will be received until Apr. 27 by Edward Butler, Caneyville, Ky., Road Engr. of Grayson County, for the construction of an 85-ft. bridge over Bear Creek, about 12 miles from Leitchfield.

Bryan, Ohio—Bids will be received until 1 p.m., Apr. 13, by C. R. Lowe, Audr. of Williams County, for the construction of a number of bridges.

Cleveland, Ohio—(Official)—Bids will be received until 10 a.m., Apr. 5, by the Board of Commissioners of Cuyahoga County, for the construction of a concrete bridge, Report No. 3490. E. G. Krause is Clk. of County Comrs.

Columbus, Ohio—(Official)—Bids will be received until noon, Apr. 7, by the Board of Commissioners of Franklin County for the construction of a reinforced-concrete arch over Alum Creek on the Schrock Rd., Blendon Township, Engineer's Estimate No. 173. John Scott is Clk. of the Bd.

Dayton, Ohio—Bids will be received until 2 p.m., Apr. 2, by James R. Marker, State Highway Comr., Columbus, for bridges and culverts on the Dayton-Troy Rd., Harrison Township, Montgomery County.

Delaware, Ohio—(Official)—Bids will be received until noon, Mar. 30, by W. V. Aldrich, Audr. of Delaware County, for the following bridge construction: Stratford Bridge, Delaware Township; Hoskins Bridge, Radnor and Thompson Townships; Main Bridge, Troy Township, and the Central Ave. Bridge, City of Delaware.

Eaton, Ohio—(Official)—Bids will be received until 1 p.m., Mar. 31, by the Board of Commissioners of Preble County for the construction of a three-span concrete arch over Twin Creek on Salem Rd., Harrison Township, and for a concrete arch across Paint Creek on the Dillman Rd., Somers Township. G. W. Rehfuss is Audr. Otha Hecathorn is Engr.

Elyria, Ohio—The Board of Commissioners of Lorain County has instructed J. M. Powell, Bridge Engr., to prepare plans for the construction of two steel bridges on stone or concrete abutments. One will be an 84-ft. span, in Wellington Township, and the other a 60-ft. span, in Black River Township.

✚Lancaster, Ohio—(Official)—The Board of Commissioners of Fairfield has awarded the contract for the construction of the superstructures of two county bridges to E. M. SCULLY, 2312 North High St., Columbus. J. R. Schopp is County Engr. Noted Feb. 25.

Marion, Ohio—Bids will be received until noon, Apr. 2, by V. P. Garfield, Clk. Bd. of Comrs. of Marion County, for the construction of a bridge over the Whetstone River, Richland Township. The approximate cost will be $8000.

Poast Town, Ohio—Bids for the construction of a 142-ft. steel superstructure and repairs to the abutments of a bridge at Poast Town were received by the Commissioners of Butler County, Hamilton, as follows: Central States Bridge Co., Indianapolis, Ind., $5439; Vincennes Bridge Co., Vincennes, Ind., $5234; John H. Hiatt, Hamilton, $6333; Oregonia Bridge Co., Lebanon, $8998, $6300 and $6287 for different plans; Burk Construction Co., New Castle, Ind., $5122 and $5411; Capitol Construction Co., $4500 for superstructure only; Bellefontaine Bridge & Steel Co., Bellefontaine, $5676. Noted Feb. 11 and 26.

✚Tiffin, Ohio—The Board of Commissioners of Seneca County has awarded the contract for the construction of 18 small bridges to the NOBLE CONSTRUCTION CO., Caldwell, Ohio. The contract for five bridges was awarded to the UNIVERSAL CONSTRUCTION CO. Noted Feb. 25.

Youngstown, Ohio—A recent court decision has ruled that the proposed viaduct at East Federal St. shall be built according to plans prepared by the City Engineer. The estimated cost is $500,000, of which the city will pay 35%, and the railway companies using the bridge the remainder. F. M. Lillie is City Engr.

Boonville, Ind.—The County Council of Warrick County has appropriated a fund of $7500 for the construction of three new county bridges.

Goshen, Ind.—It is reported that bids will be asked in a few weeks by the Board of Commissioners of Elkhart County for the construction of a steel or concrete bridge on the Goshen and Elkhart Rd.

Indianapolis, Ind.—Bids will be received until 10 a.m., Mar. 22, by the Board of Commissioners of Marion County for the construction of a bridge over Little Eagle Creek, on the Crawfordsville Rd., Wayne Township. W. T. Patten is Audr. Paul Julian is County Surv.

Pendleton, Ind.—It is reported that the Board of Commissioners of Madison County, Anderson, will ask bids about Apr. 1 for the construction of a four-span reinforced-concrete I-beam bridge over Fall Creek at Pendleton. It will be 120 ft. long. W. O. McVaugh is County Surv. Ethan Flavihan is Audr.

Detroit, Mich.—The citizens will be asked to vote, at the spring election, on the question of a bond issue for the construction of a bridge between the City of Detroit and Belle Isle. The estimated cost is $2,000,000.

✚Grand Rapids, Wis.—The Highway Commissioner of Wood County has awarded the contract for steel bridges on the county highways to the WORDEN-ALLEN CO., Milwaukee, Wis.

✚Davenport, Iowa—The Board of Supervisors of Scott County has awarded contracts for materials for county bridge construction during the coming year to: INTERSTATE MATERIAL CO., for cement at $1.54 per bbl.; CLINTON BRIDGE CO., for steel and sheet metal pipes; FT. DODGE CULVERT CO., for corrugated iron pipe; WHEELER LUMBER CO., for all lumber.

Moorhead, Minn.—The Commissioners of Clay County and the State Highway Commission have decided to build a reinforced-concrete bridge on the State Rd. between Dilworth and Glyndon some time this year. The estimated cost is $10,000.

✚Owatonna, Minn.—(Official)—The Commissioners of Steele County have awarded the contract for the construction of a reinforced-concrete bridge in Summit Township to the IDEAL CEMENT TILE CO., Owatonna. M. J. Parcher is County Audr. Noted Mar. 4.

Palisade, Minn.—Several townships of Aitkin County have petitioned the County Commissioners, Aitkin, to build a bridge over the Mississippi River at Palisade. The estimated cost of a steel bridge is $11,000.

✚Winona, Minn.—(Official)—The City Council has awarded the contract for the construction of an approach to the High Wagon Bridge over the Mississippi River to O'HAGAN & LAKE, Chicago, Ill., at $96,400. It will be of concrete with open type railing. Alternative bids were also received for a steel approach, or one of concrete with panel railing. The lowest bid for a steel structure was that of the Western Construction Co., La Crosse, Wis., at $78,650, while O'Hagan & Lake bid $95,900 for an approach with panel railing. Noted Dec. 17 and Feb. 18.

Worthington, Minn.—(Official)—Bids will be received until 2 p.m., Mar. 22, by G. Swanberg, Audr. of Nobles County, for the construction of State Bridges Nos. 1601, 1645, 1646, 1647 and 1648.

Concordia, Kan.—(Official)—Bids will be received until noon, Mar. 24, by the County Clerk of Cloud County for the following bridge construction, all to be of reinforced-concrete: Chavey Bridge, Aurora Township; Hinman Bridge over Wolf Creek, Buffalo Township; Shrader Bridge over Oak Creek, Lincoln Township; Murphy Bridge, Shirley Township; Teasley Bridge, Solomon Township.

Lawrence, Kan.—It is reported that the Board of Commissioners of Douglas County has engaged Hedrick & Cochrane, Kansas City, Mo., as consulting engineer for the proposed bridge over the Kansas River. The structure will be of reinforced concrete.

Newton, Kan.—Bids will be received until noon, Mar. 22, by the County Clerk of Harvey County for the construction of two reinforced-concrete bridges; the Peter Reiger Bridge over Turkey Creek, Alta Township, and the Kisiwa Bridge over Kisiwa Creek, Lakin Township.

Kearney, Neb.—Bids will be received until noon, Mar. 26, by J. H. Dean, Clk. of Buffalo County, for bridge construction and repair during 1915.

✚Nelson, Neb.—(Official)—The Commissioners of Nuckolls County have awarded the contract for the construction of the Superior State Aid Bridge over the Republican River to WARD & WEIGHTON, Sioux City, Iowa, at $13,000. Other bidders were: Leonard, Wilson Engineering Co., Lincoln, $17,980; Midland Bridge Co., Kansas City, Mo., $21,517; Lincoln Construction Co., Lincoln, $16,890; Elkhorn Construction Co., Fremont, $21,340; N. M. Stark & Co., Des Moines, Iowa, $19,130; Omaha Structural Steel Works, Omaha, $21,300; Standard Bridge Co., Omaha, $19,800. Noted Feb. 11.

La Plata, Mo.—It is reported that the Commissioners of Macon County, Macon, have decided to construct a 100-ft. steel bridge, 20-ft. roadway, over the tracks of the Atchison, Topeka & Santa Fé Ry. at this point.

✚Oklahoma, Okla.—(Official)—The Board of County Commissioners has awarded the contract for the construction of two small concrete bridges to the OKLAHOMA CONCRETE BRIDGE CO., Patterson Bldg., Oklahoma. H. C. Adams is County Engr. Noted Mar. 4.

San Marcial, N. M.—Bids will be received until Apr. 5 by the Board of Commissioners of Socorro County, Socorro, for the construction of a steel bridge over the Rio Grande River at San Marcial. It will have five pony truss spans and a substructure of 60-ft. creosoted piles. The estimated cost is $15,000. James A. French, Santa Fé, is State Engr. Noted Oct. 29.

✚Mt. Vernon, Wash.—The Board of Commissioners of Skagit County has awarded the contract for the construction of a bridge over Swinomish Slough connecting the town of La Conner with the Swinomish Indian reservation to the ILLINOIS STEEL BRIDGE CO., Chicago, Ill., at about $20,000. Noted Feb. 18.

Olympia, Wash.—The Board of Commissioners of Thurston County has instructed W. H. Yeager, Jr., County Engr., to prepare plans for the construction of two concrete bridges, one over Scatter Creek and the other over Perry Creek. The estimated cost is $55,000.

✚Renton, Wash.—The Board of Commissioners of King County, Seattle, has awarded the contract for the construction of a bridge at Renton Junction to the PACIFIC IRON WORKS, Portland, Ore., at $9744. Noted Feb. 18.

Seattle, Wash.—At the special election held Mar. 2 the citizens voted in favor of issuing bonds for $1,375,000, the proceeds of which will be used for the construction of bridges over Lake Washington Canal. The previous issue of bonds for this purpose was declared invalid by the Supreme Court of Washington. Noted Dec. 3 and 10, 1914; Jan. 7, 21 and 28, 1915.

Tillamook, Ore.—A bond issue of $40,000 has recently been sold, and the proceeds will be used for the construction of a steel bridge across Hoquarton Slough. It is understood that work will be begun this summer.

Colusa, Calif.—Bids will be received until Apr. 6 by the Board of Supervisors of Colusa County for the construction of 37 concrete bridges, ranging from a 6-ft. culvert to a 2600-ft. trestle. J. W. Kaerth is County Engr.

Needles, Calif.—Plans are being prepared by James Sourwine, County Engr. of San Bernardino County, for a bridge across the Colorado River between Needles and Topoc, Ariz., on the Old Trails National Highway. The Federal government has appropriated $25,000 for the bridge, and San Bernardino County and Mohave County, Ariz., will each contribute a like amount. Noted Aug. 13 and Sept. 10, 1914.

WATER SUPPLY—IRRIGATION

Boston, Mass.—Bids will be received until Mar. 19 by the Public Works Department for 22,400 lb. of semi-steel castings for the high-pressure fire service. L. K. Rourke is Comr.

✚Boston, Mass.—The contract for 750,000 lb. of c.-i. specials for the Water Department has been awarded to the MECHANICS IRON FOUNDRY CO., at $0.0142 and $0.0249 per lb. Noted Feb. 25.

✚★Fitchburg, Mass.—(Official)—The contract has been awarded to E. W. FOLEY CONSTRUCTION CO., 71 Wall St., New York, N. Y., at $99,105, for constructing the Ashby reservoir. Noted Jan. 21 and Mar. 11.

✚Holyoke, Mass.—The contract for water pipe has been awarded to the DONALDSON IRON CO., Emaus, Penn., at $21.84 per ton.

Middleboro, Mass.—Bids will be received until Apr. 1 for constructing a 500,000-gal. tank on a concrete tower. The estimated cost is $25,000. G. A. Sampson, 14 Beacon St., Boston, is Engr. Noted Feb. 18.

✚★Salem, Mass.—(Official)—Bids were received Mar. 10 by the Salem and Beverly Water-Supply Board for constructing an additional water-supply from the Ipswich River as follows: F. T. LEY & CO., INC., Springfield, at $50,959 (awarded contract); McHarg-Barton Co., New York, N. Y., $47,530; Thomas Fitzgibbon Co., Beverly, $54,642; Bay State Dredging Co., Boston, $57,332; W. B. Mullen, Boston, $64,598; Coleman Bros., Boston, $65,729; Middlesex Contracting Co., Boston, $65,992; M. Russo & Son, Boston, $66,085; T. A. Scott & Co., Inc., New London, Conn., $74,279; L. B. Cleveland, Watertown, N. Y., $74,337; Bonfidio Perini, Ashland, $77,055; Holbrook-Cabot & Rollins, Boston, $78,304; Eastover Construction Co., Utica, N. Y., $79,630; John J. Hart, New York, N. Y., $84,163; Bruno & Petitt, Boston, $88,730; W. L. Miller & J. J. Welch & Co., Salem, $96,232 and Canal Construction Co., New York, N. Y., $104,247. Hazen, Whipple & Fuller, New York, N. Y., is Consult. Engr. Noted Feb. 18.

Sterling, Mass.—At a recent election the citizens voted in favor of petitioning the Legislature for authority to issue bonds, the proceeds of which will be used for the construction of a water system. Noted June 25.

Manchester, Conn.—Plans are being prepared for the extension of the water system for the South Manchester Water Co.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Mar. 11 by the Department of Water, Gas and Electricity for laying a 12-in. water main across the East River and in 140th St. to North Brother Island as follows: H. E. Fox Construction Co., 81 East 125th St., at $15,608 (low bidder); John Cornwall, Jr., $18,746; Merritt & Chapman, $29,-333; Hanover Contracting Co., $16,708; F. N. Lewis, $19,441 and New York Submarine Co., $26,410. Noted Mar. 4.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids were received Mar. 8 by the Department of Water, Gas and Electricity for laying water mains in Southern Blvd., Borough of the Bronx as follows: L. D. Gregory, 212 West 138th St., at $19,680 (low bidder); Brady Oltarsch, $21,035; Hanover Contracting Co., $23,411; Beaver Engineering Co., $24,155; Soraci Contracting Co., $23,891; Melrose Construction Co., $20,847; Burnside Construction Co., $23,680; James O'Leary, $24,809; Knight & DiMicco, $22,247. Noted Mar. 4.

New York, N. Y.—(Boroughs of Manhattan and Bronx)—(Official)—Bids will be received until 2 p.m., Mar. 25, by William Williams, Comr. of Water-Supply, Gas and Electricity for c.-i. pipe, specials, valve box castings, valves and double nozzle fire hydrants.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until 2 p.m., Mar. 25, by William Williams for installing fire hydrants in various streets.

Syracuse, N. Y.—(Official)—Bids will be received until 1:30 p.m., Mar. 22, by R. D. Roney, Clk. Bd. of Contract and Supply, for c.-i. water pipe for the water department. M. B. Palmer is Engr. of Water-Supply. Noted Dec. 17.

Watervliet, N. Y.—The Baxter bill, authorizing a bond issue for $625,000 for the improvement of the water system, has been passed by the Assembly. Noted Mar. 11.

Potsdam, N. Y.—An appropriation of $1500 is contemplated to investigate the feasibility of a spring water supply. The supply is now taken from the Raquette River.

Wellsville, N. Y.—The village has purchased the Wellsville Water & Light Co. Charles C. Hopkins, Cutler Bldg., Rochester, has prepared plans for the improvement of the water system at an estimated cost of $100,000, and H. B. Sweet, Utica, has prepared plans for the remodeling of the electric-light plant.

Bordentown, N. J.—The Board of City Commissioners plans to install water meters throughout the city.

Burlington, N. J.—The Common Council has instructed Henry S. Haines, City Engr., to prepare plans for the construction of a new pumping station at the water works. Noted Nov. 5.

✚Perth Amboy, N. J.—The contract has been awarded by the Board of Water Commissioners to R. J. GALVIN, Perth Amboy, for steel and galvanized pipe for 16 new wells at the Runyon watershed.

Allentown, Penn.—Bids will soon be received for a 5,000,-000-gal. electric pump for the water department. R. J. Wheeler is Supt.

Allentown, Penn.—The city will soon be in the market for a chloride gas machine for the purification of the water. R. J. Wheeler is Supt.

Erie, Penn.—According to press reports plans are being prepared for the construction of a new reservoir to cost $200,-000. Edward W. Humphries is Water-Wks. Supt.

Lancaster, Penn.—The citizens contemplate issuing bonds for $145,000, the proceeds of which will be used for the improvement of the water system. Noted Feb. 18.

Punxsutawney, Penn.—Plans have been prepared by Thomas Peelor, Indiana, Penn., for the construction of a water system. Noted July 23.

Reading, Penn.—Bids will soon be received by the Board of County Commissioners for constructing a water system at the insane asylum.

Slatington, Penn.—The Borough Council plans to increase the capacity of the reservoir.

Hagerstown, Md.—The Washington County Water Co., according to press reports, plans to build a 400,000,000-gal. reservoir on South Mountain. The estimated cost is $300,000.

Claremont, Va.—The Claremont Water-Works Co., recently organized with a capital of $10,000 by D. Stone and H. Costenbader, will install a water system.

★Lynchburg, Va.—(Official)—Bids will be received by the Council Committee on Water until noon, Apr. 6, for installing an emergency pumping station and booster pump. For details see advertisement under "Contracts To Be Let."

★Richmond, Va.—(Official)—Bids will be received until noon, Mar. 26, by E. E. Davis, Supt. of Water-Wks., for c.-i. pipe, meter boxes, meters, fire hydrants, etc., for the water department. For details see advertisement under "Contracts To Be Let."

★Richmond, Va.—(Official)—Bids will be received at the office of the Superintendent, City Water Works, until noon, Mar. 26, for furnishing 800 tons of aluminum sulphate for water clarification. For details see advertisement under "Contracts To Be Let."

Williamsburg, Va.—The city contemplates issuing $25,000 in bonds, the proceeds of which will be used for the construction of water and sewer systems.

Bridgeport, W. Va.—Bids will be received about Apr. 1 for laying water mains and constructing a 50,000-gal. tank. Homer Bros. is Engr.-in-Charge. The estimated cost is $23,-000. Noted Feb. 4.

Shepherdstown, W. Va.—Randolph Stalnaker and others, according to press reports, have been granted a franchise to construct a water system. Noted Jan. 28.

Warrenton, N. C.—Gilbert C. White, Charlotte, has submitted two plans to the City Commissioners for the construction of water and sewer systems. The estimated cost is $50,000.

Manning, S. C.—Plans are being prepared for the construction of water and sewer systems, the estimated cost of which is $40,000. Noted Nov. 26.

Orangeburg, S. C.—The installation of a water system and electric-light plant is under consideration. The estimated cost is $30,000.

Winnsboro, S. C.—An election will be held Mar. 29 to vote on the question of issuing $80,000 in bonds, the proceeds of which will be used for the construction of water and sewer systems. Noted Aug. 20.

Alma, Ga.—Bonds for $15,000, the proceeds of which will be used for the construction of a water system, have been voted. Noted Mar. 4.

Jefferson, Ga.—Bids will be received until Apr. 19 by Homer Hancock, City Clk., for constructing water and sewer systems. Solomon-Norcross Co., Atlanta, is Engr.

Largo, Fla.—Bonds for $20,000 have been voted by the citizens. The proceeds will be used for the construction of a water system. Noted Nov. 26.

Ocala, Fla.—Bids will soon be received for improvements to the water system. Plans have been prepared by Twombly & Henney, 55 Liberty St., New York, N. Y. The estimated cost is $50,000. H. C. Sistrunk is City Clk. Noted Oct. 15.

Elba, Ala.—The citizens at a recent election voted to issue $5500 in bonds, the proceeds of which will be used for the extension of the water system. W. M. Tucker is Mayor. Noted Sept. 3.

✚Notasulga, Ala.—(Official)—Bids were received Mar. 2 for constructing a water system as follows: Tuscaloosa Construction & Supply Co., Tuscaloosa, $11,293; Gadsden Concrete Co., Gadsden, $14,023; Steel Construction Co., Birmingham, $10,584; B. F. Roberts, Macon, Ga., $10,474 and Sullivan, Long & Hagerty, Bessemer, $11,086. Noted Feb. 25.

De Ridder, La.—Bids will be received until Apr. 27 by P. C. Kay, City Clk., for the purchase of bonds for $60,000, the proceeds of which will be used for the purchase and improvement of the water system and for the construction of a sewer system. Noted May 4.

Louisville, Ky.—The Louisville Water Co. plans to build a new pumping station at an estimated cost of $535,000 and to lay water mains, at an estimated cost of $250,000. A special wash-water pump will be installed at the filtration plant, the estimated cost of which is $10,000. James C. Wilson is Ch. Engr.

Akron, Ohio—Bonds for $600,000 have been voted by the citizens, the proceeds of which will be used for completing the water system. The new water works is 85% completed, and it is believed that pure water will be available by July 1.

Barberton, Ohio—Bonds for $17,000 have been voted by the Council. The proceeds will be used for the extension of the water system in North Barberton. Noted Jan. 28.

Bluffton, Ohio—A bond issue for $17,000 has been voted, the proceeds of which will be used for making improvement and extensions to the water system. Noted Nov. 19.

Chardon, Ohio—Plans are being prepared by C. H. Felton, Williamson Bldg., Cleveland, for the construction of a water system for the Chardon Water-Works Co. C. A. Black is Pres. Noted Dec. 17.

Cincinnati, Ohio—J. A. Hiller, Water-Wks. Supt., will soon ask the Council to issue bonds for $125,000, the proceeds of which will be used for the construction of five water tanks on Kennedy Heights.

Cleveland, Ohio—Bids will be received until noon, Mar. 26, by the Commissioner of Purchases and Supplies for steel reinforcing bars for the water department. Specification are on file with Charles F. Schultz, Comr. of the Water Dept.

Cleveland, Ohio—Plans will soon be prepared by Robert Hoffman, City Engr., for the construction of a 75,000,000 gal. filtration plant for the East Side at 49th St. The estimated cost is $1,000,000.

+Cleveland, Ohio—The contract has been awarded to the MASTER & MULLEN CONSTRUCTION CO., Cleveland, at $38,-905 for constructing a coagulant house and superstructures for the Division Ave. filtration plant. Noted Feb. 11 and Mar. 11.

Geneva, Ohio—The organization of a company, for the construction of a water system, is under consideration by the citizens. M. C. Goddard is Engr.

Lorain, Ohio—According to press reports bids will be received until Mar. 30 by George N. Damon, City Audr., for the purchase of $45,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Dec. 31.

Wooster, Ohio—Plans have been prepared by R. H. Hunter, Quimby Bldg., Wooster, and Chester & Fleming, Union Bank Bldg., Pittsburgh, Penn., for the installation of a filtration plant, estimated to cost $140,000. M. Bloomburg is Dir. of Pub. Serv. Noted Dec. 3 and Jan. 28.

Yellow Springs, Ohio—An election will be held in April to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system. Thomas A. Donley is Mayor. Noted Feb. 18.

+Youngstown, Ohio—The contract has been awarded to the GAMON WATER CO., Newark, N. J., for 3000 water meters. H. C. Fox is Secy. Dept. of Pub. Wks.

East Chicago, Ind.—The Public Utilities Commission has received an application from the East Chicago & Indiana Harbor Water Co. for permission to issue $32,000 in bonds. Part of the proceeds will be used for the extension of its system.

+Ft. Wayne, Ind.—The contract has been awarded by the Board of Public Works to the UNITED STATES CAST IRON PIPE CO. for 450 tons of c.-i. water pipe, hydrants and valves.

Indianapolis, Ind.—The Public Service Commission has been petitioned by the Indianapolis Water Co. for permission to issue $116,000 in bonds, the proceeds of which will be used for making extensions to the water system.

+Princeton, Ind.—The contract for constructing a filtration plant for the Princeton Water Co. has been awarded to the INTERNATIONAL FILTER CO., Chicago, Ill., at $18,000. Noted Dec. 24.

Rushville, Ind.—C. H. Hurd, Indianapolis, has completed plans for the construction of a 750,000-gal. reservoir. A. H. Mahin is Supt. of Water-Wks.

Highland Park, Mich.—The Council has been asked to appropriate $40,000 to be used for the completion of the water system. William Patterson is Supt. of Water-Wks.

Morrice, Mich.—The construction of a water system is contemplated. The estimated cost is between $7000 and $9000.

Schoolcraft, Mich.—Bids will be received about Apr. 1 by O. A. Fellows, Village Clk., for constructing a water system. The estimated cost is $20,000. Smith & Boulay, Toledo, Ohio, is Engr. Noted Feb. 25.

Sebewaing, Mich.—The Village Council contemplates spending $25,000 for the construction of a water system.

Champaign, Ill.—(Official)—We have been advised that the Champaign & Urbana Water Co. will build a new reservoir and make improvements to the water system. F. C. Amsbary is Supt. Noted Aug. 13.

Christopher, Ill.—Plans have been prepared by L. T. Putnam Co., Browning Bldg., Christopher, for the construction of a water system.

+Cicero, Ill.—The contract has been awarded to CHARLES M. PORTER, 118 North La Salle St., Chicago, by the Board of Local Improvements for laying water mains in various streets. Noted Feb. 18.

East St. Louis, Ill.—According to press reports, the East Side Water Co. plans to construct a new water system. Breckinridge Long, St. Louis, Mo., is Pres. of the company.

Maywood, Ill.—Bids will be received until 8 p.m., Mar. 25, by the Board of Local Improvements for 18,940 ft. of 6-in. and 2650 ft. of 4-in. c.-i. water pipe. Robert E. Williams, 118 North La Salle St., Chicago, is Engr.

Peoria Heights, Ill.—Bids will be received about Apr. 1 for the construction of a water system. C. H. Dunn, Arcade Bldg., Peoria, is Engr. The estimated cost is $35,000. Noted Dec. 24.

Sparta, Ill.—Bonds for $25,000 have been sold, the proceeds of which will be used for construction of a water system. Noted Dec. 3 and 10.

+Stronghurst, Ill.—The contract has been awarded to the CHICAGO BRIDGE & IRON WORKS, Chicago, for erecting a steel tank on a tower. Noted Oct. 29.

Eau Claire, Wis.—The expenditure of $11,000 for the improvement and extension of the water system is contemplated by the city.

Reedsburg, Wis.—Bids will be received until 7:30 p.m., Mar. 22, by William H. Dierken, City Clk., for c.-i. water pipe of 23-lb. per lin.ft.

Sheboygan, Wis.—The construction of a 20-in. water main in Lincoln Ave. from Calumet Rd. to Fifth St. is contemplated.

Wauwatosa, Wis.—Bids will be received until Mar. 13 by A. C. Bingham, City Clk., for drilling an artesian well. The well will be between 1300 and 1600 ft. F. A. Torkelson is City Engr.

Buffalo Center, Iowa—At a recent election the citizens voted in favor of issuing bonds, the proceeds of which will be used for making extensions to the water system. W. H. Collins is Mayor. Noted Dec. 31.

Crawfordsville, Iowa—(Official) — Bids will be received until 8 p.m., Mar. 25, by the Council for constructing a water system. The estimated cost is $8000. R. S. Dix is Clk. Noted Dec. 31.

Lowden, Iowa—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system.

Morning Sun, Iowa—(Official)—Bids will be received until 7 p.m., Apr. 5, by W. B. Garvin, Town Clk., for the construction of a water system. The estimated cost is $25,000. Harper & Stiles, Grand Ave. Temple, Kansas City, Mo., is Engr. F. G. Wright is Mayor. Noted July 2.

Cloquet, Minn.—(Official)—All bids received Mar. 2 for constructing a concrete reservoir for the water system have been rejected. J. A. Parks is City Clk. Noted Feb. 25.

Ft. Scott, Kan.—An election will be held in April to vote on the question of issuing bonds, the proceeds of which will be used for the installation of a filtration plant. James A. Burton is Supt. of Water-Wks. Noted Jan. 14.

Fredonia, Kan.—Bids will be received until Mar. 22 by C. B. De Tar, Supt. of Water-Wks., for the construction of a filtration plant and water system, the estimated cost of which is $40,000. Worley & Black, Reliance Bldg., Kansas City, Mo., is Engr. R. A. McGregor is City Clk. Noted Nov. 26.

+Eagle, Neb.—The contract has been awarded to the DES MOINES BRIDGE & IRON CO., Des Moines, Iowa, for constructing a water system. Noted Feb. 4.

Deadwood, S. D.—The city contemplates constructing a water system, the estimated cost of which is $73,000. Frank S. Peck is City Engr.

Belfield, N. D.—The citizens contemplate issuing bonds for $20,000, the proceeds of which will be used for the construction of a water system.

Powell, Wyo.—Bids will be received until 7 p.m., Apr. 5, by W. A. Deming, Town Clk., for the purchase of $61,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Nov. 5.

Chouteau, Mont.—Bonds for $42,000 will be sold at auction sale 8 p.m., Apr. 5, by A. L. Powers, Town Clk. The proceeds will be used for the construction of a water system. Noted July 9, 1914.

Clydepark, Mont.—Charles T. Sacket, Livingston, has been retained by the Council to prepare plans for the construction of a water system. The estimated cost is $20,000. Noted Oct. 22 and Nov. 26.

Clarence, Mo.—An election will be held Apr. 1 to vote on the question of issuing $27,000 in bonds, the proceeds of which will be used for the construction of a water system. Henrici, Kent & Lowry, Reserve Bank Bldg., Kansas City, is Engr. Noted July 30.

Jefferson City, Mo.—(Official)—Chester & Fleming, Pittsburgh, Penn., is preparing plans for rebuilding one of the old settling basins for the Jefferson City Water-Works Co.

St. Louis, Mo.—At a recent meeting the Board of Standardization voted in favor of purchasing eight miles of pipe for the construction of a pipe line to the new Industrial School at Ft. Bellefontaine. The estimated cost is $40,000.

+St. Louis, Mo.—(Official)—Bids were received Jan. 22 for a 20,000,000-gal. steam turbine-driven centrifugal pump for the water-works as follows: CAMERON STEAM PUMP WORKS, at $35,300 (awarded contract); Allis-Chalmers Mfg. Co., $52,440; Dravo Doyle Co., $44,750 and H. R. Worthington Co., $40,250. Noted Jan. 21.

Leslie, Ark.—Surveys are being made by the J. B. McCrary Co., Atlanta, Ga., for the construction of water and sewer systems. Noted Mar. 4.

Brenham, Tex.—Bonds for $30,000 have been sold. The proceeds will be used for the installation of water and sewer systems. Noted Mar. 11.

Ennis, Tex.—Bids will soon be received by the City Council for making extensions to the water system. Noted Feb. 4.

Hillsboro, Tex.—An election will be held Apr. 6 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for the improvement of the water system.

Seguin, Tex.—Bonds for $20,000 have been voted, the proceeds of which will be used for the improvement of the water system and electric-light plant.

Vinton, Tex.—The Vinton Ice, Light & Water Co., according to press reports, has been organized with a capital of $20,000. The company plans to build a water system.

Wilburton, Okla.—(Official)—A special election will be held Apr. 6 to vote on the question of issuing $100,000 in bonds. The proceeds will be used for the construction of a water system. The Benham Engineering Co., Oklahoma City, is Engr. Noted Dec. 17 and 31.

Salt Lake City, Utah—Bids will soon be received for the construction of a dam at Twin Lakes. The estimated cost is $72,000. Sylvester Q. Cannon is City Engr. Noted Oct. 22.

Raymond, Wash.—The citizens, at a recent election, voted in favor of issuing $117,500 in bonds, the proceeds of which will be used for the purchase and improvement of the water system of the Raymond Water Co. Noted Dec. 24 and Jan. 28.

Roslyn, Wash.—An election will be held Apr. 13 to vote on the question of issuing $28,000 in bonds. The proceeds will be used for the improvement of the water system. George T. Wake is City Clk. Noted Feb. 4.

Seattle, Wash.—Bids will be received until Apr. 2 by the Board of Public Works for two pumps and 2-phase, 60-cycle, 200-hp. motors for pumping stations at West Seattle and Interbay.

Fairview, Ore.—An election will be held in April to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water system. J. N. & R. E. Koon, Bd. of Trade Bldg., Portland, is Engr. The estimated cost is $12,000. Noted Mar. 11.

Oregon City, Ore.—At an election held Mar. 3 the citizens of West Linn and Oregon City voted in favor of issuing $375,000 in bonds, the proceeds of which will be used for the construction of a 25-mile pipe line.

✚**Portland, Ore.**—(Official)—Contracts have been awarded to the UNITED STATES CAST IRON PIPE CO., at $125,290 for c.-i. pipe and to SMITH & WATSON, Portland, at $2750 for specials. J. R. Wood is Pur. Agt. Noted Feb. 11.

Warrenton, Ore.—Bids will be received until Apr. 12 by the City Water Commission for the purchase of $150,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Dec. 3 and 24.

Dorris, Calif.—Work will soon be started on the construction of the Griffith lateral canals of the Klamath Falls project. The estimated cost is $77,000. J. G. Camp is Mgr.

Aylmer, Que.—Bids will soon be received, according to press reports, for constructing an intake pipe. The estimated cost is $12,000. H. Leblanc is Engr. Noted Feb. 4.

Toronto, Ont.—The Board of Control, at a recent election, defeated the question of issuing bonds for $6,000,000 for the construction of a duplicate water system at East Toronto. Noted Mar. 11.

SEWERS

★**Fitchburg, Mass.**—(Official)—Bids will be received until 3 p.m., Apr. 7, by the Board of Sewage Disposal Commissioners for constructing Section 7 of the main intercepting sewer. David A. Hartwell is Ch. Engr.

Wellesley, Mass.—At an election held Mar. 8 the citizens voted in favor of issuing $150,000 in bonds, the proceeds of which will be used to commence the construction of a sewer system which when completed will cost $600,000.

✚★**Warren, R. I.**—The contract has been awarded by the Sewer Commissioners to F. A. GAMMINO, Providence, at $32,000, for laying 15,000 ft. of 18-in. sewers, constructing sedimentation tanks and for two small collection wells. Noted Dec. 3 and Mar. 4.

Brockport, N. Y.—The citizens have retained Charles C. Hopkins, Cutler Bldg., Rochester, to prepare plans for the improvement of the sewage disposal plant. The estimated cost is $25,000. An election will be held in April to vote bonds.

Dunkirk, N. Y.—(Official)—W. H. Shelton, City Engr., advises us that the proposed sewer work will probably not be undertaken this year. Noted Mar. 11.

Elmira, N. Y.—The citizens contemplate constructing about 8000 ft. of 10- and 12-in. tile sewers. T. A. Brown is City Engr.

✚**New York, N. Y.**—(Borough of the Bronx)—The contract has been awarded to J. L. SIGETTO, at $349,221, for constructing a sewer in Pennyfield Ave. Noted Jan. 28.

New York, N. Y.—(Borough of the Bronx)—(Official)—All bids received Feb. 2 for constructing a sewer in Tyndall Ave. have been rejected. Noted Jan. 28.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 3 p.m., Mar. 25, by the Park Board, Municipal Bldg., Borough of Manhattan, for constructing sanitary sewers and pumping stations in Prospect Park.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Mar. 24, by L. H. Pounds, Borough Pres., for construction a sewer in East 27th and 15th St.

Oswego, N. Y.—At an election to be held Mar. 24 the citizens will vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the improvement of the sewer system. Thomas H. McGinnis is City Clk.

Caldwell, N. J.—The Council contemplates spending $10,000 for the extension of the sewer system.

Maywood, N. J.—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a sewer system and sewage disposal plant. Alexander Potter, 50 Church St., New York, N. Y., is Engr.

Paterson, N. J.—Bids will be received about Apr. 6 for constructing storm water sewers. H. J. Harder is City Engr.

✚**Princeton, N. J.**—The contract has been awarded by the Council to ANTONIO CELENTANO, Trenton, for constructing the trunk line sewer from Ewing St. to the northeast sewer field. Noted Feb. 25.

Summit, N. J.—Preliminary plans have been submitted by Alexander Potter, 50 Church St., New York, N. Y., for the construction of a sewage-disposal plant. The estimated cost is $30,000. Noted Dec. 24.

Trenton, N. J.—The Board of City Commissioners has adopted ordinances providing for the installation of sewers in Brant Ave., Kuhn Alley and Nitz Alley. Frank Thompson is City Clk.

Harrisburg, Penn.—Plans have been prepared for the construction of sewers in Ruddy, De Lancey and Spruce St. The estimated cost is $8000. M. B. Cowden is City Engr.

Parkesburg, Penn.—(Official)—Bids were received Mar. 8 for (A) constructing a sewer system and (B) for constructing a sewage treatment plant as follows: George C. Souders, Lancaster, (A) $27,781, (B) $7715; Pollock & Lewis, Downingtown, (A) $25,156, (B) $6489; G. W. Ensign, Inc., Harrisburg, (A) $29,207, (B) $8588; Richardson & Williams, Baltimore, Md., (A) $34,477; Field Barker & Underwood, Philadelphia, (A) $27,106, (B) $9057; Matthew, Ott & Co., Pittsburgh, (A) $28,033; M. & T. E. Farrell, West Chester, (A) $26,000, (B) $9979; Rundle & Behm, Reading, (A) $22,933, (B) $6345; Slack & Slack Co., Baltimore, Md., (A) $22,756, (B) $8449; John C. Schrade Inc., Brooklyn, N. Y., (A) $33,691, (B) $11,153; Suburban Engineering Co., New York, N. Y., (B) $9765 and Kelly McFeeley Co., Camden, N. J., (A) $32,988, (B) $13,256. Noted Dec. 17, Jan. 7 and Mar. 4.

Pittsburgh, Penn.—The city contemplates constructing about 50,000 ft. of sewers, 186 manholes and 150 catch basins. Robert Swan is City Engr.

Warren, Penn.—Plans are being prepared by Alson Rogers, City Engr., for the construction of one mile of 24- to 30-in. sewers.

West Pittston, Penn.—(Pittston post office)—The citizens contemplate constructing sewers in the Ninth district.

★**York, Penn.**—(Official)—Bids will be received until 1:30 p.m., Apr. 2, by C. P. Shreiner, City Clk., for constructing a sewage disposal works and pumping station and for installing machinery. For details see advertisement under "Contracts To Be Let."

Baltimore, Md.—Bids will be received until Mar. 24 by the Board of Awards for constructing an intercepting sewer under Sanitary Sewer Contract No. 144. Plans are on file with H. W. Rogers, American Bldg.

Huntington, W. Va.—Bids will be received until Mar. 22 by the City Commissioners for constructing sewers in 17th and 22nd St. and in various alleys. L. A. Pollock is Comr. of Streets and Sewers.

Manning, S. C.—See item under "Water Supply—Irrigation."

Winnsboro, S. C.—An election will be held Mar. 29 to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a sewer system. Noted Aug. 27.

Jefferson, Ga.—Bids will be received until Apr. 19 by Homer Hancock, City Clk., for constructing 11,000 ft. of 8-in. and 2100 ft. of 10-in. vitrified pipe sewer. The Solomon-Norcross Co., Atlanta, is Engr.

✚**Miami, Fla.**—Contracts have been awarded to the BISCAYNE CONSTRUCTION CO., Miami, and to the MANLEY-STEARNS CONSTRUCTION CO., for constructing a main sewer in Ninth St. from Ave. L to the river and for constructing lateral sewers, respectively. Noted Feb. 4.

Pablo Beach, Fla.—Bids will be received until Mar. 20 for constructing a sewer and an electric-light plant. The J. B. McCrary Co., Atlanta, Ga., is Engr. Noted Oct. 1 and Mar. 11.

Meridian, Miss.—The city plans to hold an election to vote on the question of issuing bonds for $30,000, the proceeds of which will be used for the construction of sewers and for street work. J. W. Parker is Mayor.

De Ridder, La.—See item under "Water Supply—Irrigation."

Barberton, Ohio—(Official)—Bids will be received until noon, Mar. 22, at the office of the Board of Control, for furnishing the necessary material and labor for constructing main and local storm sewers in Storm Sewer District No. 1. O. D. Everhard is Dir. Pub. Ser.

✚**Hamilton, Ohio**—The Board of Control has awarded the contract for the construction of the Crawfords Run sewer, east of Front St., to JOHN TRUNCK, at $6860.

✚**Ft. Wayne, Ind.**—The city has awarded the contract for the construction of two sewers in Pfeiffer Pl., totaling 2½ miles, to the MOELLERING CONSTRUCTION CO., at $1.45 per lin.ft.

Gary, Ind.—Bids will be received until Mar. 29 by H. C. Francis, City Clk., for the construction of District Sewer No. 24, requiring 580 ft. 18-in., 1280 ft. 15-in., 1195 ft. 12-in., 200 ft. 19-in. vitrified sewer tile; 918 ft. 36-in. concrete sewer; 23 manholes; 5 catchbasins and one gutter inlet. The estimated cost is $11,569.

Indianapolis, Ind.—(Official)—Bids will be received by the Board of Public Works until Mar. 31 for the construction of sewers in College Ave. and 38th St. The estimated cost is $308,000. Charles A. Brown is Asst. City Engr.

Flint, Mich.—(Official)—Bids will be received until 3 p.m., Apr. 1, by D. E. Newcombe, City Clk., for the construction of a storm sewer in Oakland St., to be known as the Leith St. Subway Sewer.

✚**Joliet, Ill.**—The Board of Local Improvements has awarded the contract for the construction of a sewer in Hyde Park Ave. to ROBERT SHANNON. The contract for a sewer in Market St. was awarded to W. B. CURTIS. Arthur M. Barry is Clk. of the Bd.

Racine, Wis.—Bids will be received by the Board of Public Works until 10 a.m., Mar. 20, for constructing sewers in various streets.

Des Moines, Iowa—The State Legislature is considering a bill providing for the construction of a sewer system at the state fair grounds. The estimated cost is $14,000.

Sioux City, Iowa—The city contemplates the construction of two sewers in Morningside. The estimated cost is $26,000. T. S. Johnson is City Engr.

Rochester, Minn.—The State Board of Control plans to construct a new sewer system at the State Hospital. A 12-in. main is being considered. The Pillsbury Engineering Co., Minneapolis, is Engr.

St. Paul, Minn.—Bids will be received until 10 a.m., Mar. 22, by August Hohenstein, Pur. Agt., for the construction of sewers in Glenham, Maplewood and Medford Ave. Bids will also be received at the same time for the following supplies: 100 manhole covers, 50 manhole frames, 40 round catchbasin frames and covers, 40 square catchbasin frames and covers, 50 square catchbasin grates, 30 square catchbasin lids and 20 hooks.

Salina, Kan.—Bids will probably be received in May for the construction of 2500 ft. of 36-in. pipe sewer in Ash St. P. G. Wakenhut is City Engr.

Grand Island, Neb.—(Official)—H. W. Kibbey, City Engr., advises that the city contemplates the construction of a sewer system.

Butte, Mont.—A resolution is before the City Council providing for the construction of a sewer system south of Silver Bow Creek. The estimated cost is $130,000.

Maplewood, Mo.—The city will build a sewer, ½ mile long, from the eastern limits of the city to the River Des Peres. It will be constructed at from 15 to 36 ft. below the surface. The estimated cost is from $40,000 to $50,000.

Hillsboro, Tex.—An election will be held Apr. 6 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for making improvements to the sewer system.

✚**Houston, Tex.**—The City Council has awarded the contract for the construction of a storm sewer in Golf Link Place, private lane from San Felipe to Buffalo Bayou, to HORTON & HORTON. Noted Nov. 12.

✚**Limon, Colo.**—The contract for the construction of a sewer system has been awarded to the GEORGE H. SETHMAN CO., Denver.

✚**Idaho Falls, Idaho**—The Utah-Idaho Sugar Co. has awarded a contract to CHARLES H. HELMAN, Twin Falls, Idaho, for the construction of a 20-in. vitrified clay pipe sewer from Idaho Falls to the Snake River. The estimated cost is from $20,000 to $30,000.

Enumclaw, Wash.—Bids will be received until Mar. 31 by O. E. Magnuson, City Clk., for the construction of a main trunk sewer. The work includes excavating and refilling 12,100 ft. of trench, building 18 manholes and 9 lampholes. Plans have been prepared by W. I. Lippard, City Engr.

Albany, Ore.—The City Council has authorized the City Engineer to prepare plans for a sewer to be constructed from Calapooia along a feasible route to the north line of Klamath St. Bids will be received about Mar. 24.

✚**Long Beach, Calif.**—The contract for the construction of an ocean outlet for the main outfall sewer has been awarded to the MERCEREAU BRIDGE & CONSTRUCTION CO., Los Angeles, at $29,007. The work involves the laying of about 1100 ft. of c.-i. pipe.

Martinez, Calif.—The City Trustees have authorized the construction of two lines of 14-in. main sewers from the city limits to the tidelands. Elam C. Brown is City Engr...

✚**San Francisco, Calif.**—The Board of Public Works has awarded a contract for the construction of a sewer in Hudson Ave. between Lane and Mendel St. to F. ROLANDI, at $8014.

GARBAGE

Trenton, N. J.—The City Commission has rejected all bids received Feb. 26 for the disposal of municipal garbage.

Reading, Penn.—The following bids were received for the collection of garbage. The contractor may use the city's teams, 14 in number, or as many as needed: (Prices are per team per day) E. E. Moore & Bro., Inc., $3.88; William H. Hendricks, $4.18; Fehr & O'Rourke, $4.23; Peoples Bros., Inc., $4.45; N. H. Garman & Bro., $4.50.

Norfolk, Va.—See item under "Federal Government," Garbage Incinerator.

Huntington, W. Va.—The city has purchased a site, 113x125 ft., on which an incinerator will be constructed. The estimated cost is $10,000. O. H. Wells is Comr.

✚**Winston-Salem, N. C.**—The contract for the construction of a garbage crematory has been awarded to the NYE ODORLESS CREMATORY CO., Macon, Ga.

Dublin, Ga.—It is reported that the city will soon vote on the proposition of issuing $75,000 in bonds for the construction of a garbage disposal plant.

Rock Island, Ill.—Bids will be received until 2 p.m., Apr. 3, by Martin T. Rudgren, City Clk., for the installation of a 12-ton garbage incinerator. Estimated cost, $5000 to $6000. Noted Dec. 3.

Joplin, Mo.—D. R. Hill, Comr. Health, is reported to have recommended the construction of a municipal incinerating plant.

Portland, Ore.—Immediate steps will be taken to dispose of the $200,000 bond issue voted at a recent election for the construction of a garbage incinerator. The building will be of reinforced concrete.

STREETS AND ROADS

Boston, Mass.—Bids will be received until Mar. 19 by the Park and Recreation Department for paving Columbia Rd. with bitulithic. John H. Dillon, 33 Beacon St., is Chn. of Bd.

✚**Boston, Mass.**—The contract for the construction of 2600 lin.ft. of concrete road in North Andover has been awarded by the State Highway Commission to B. PERINI, Ashland, at $7544. Other bids were: J. A. Gaffey, Medford, $7905; J. J. McCarthy, Boston, $8201; T. A. Moynihan, Arlington, $8330; E. R. Hyde, Somerville, $8417; A. C. Converse & Co., Boston, $8499; P. Bompani, Quincy, $8585; A. M. Cusack, Boston, $8695; J. H. Fannon, Somerville, $9019; Martin de Mateo, Boston, $9496; D. J. Sheehan & Co., Lynn, $9515; R. F. Hudson, Melrose, $9756; J. Waquebach & Son, Lawrence, $10,223; F. F. Ellis, Melrose, $12,389. Noted Mar. 4.

Boston, Mass.—Bids will be received until Mar. 26 by the Park and Recreation Department for wood block pavement in Commonwealth Ave. John H. Dillon, 33 Beacon St., is Chn. of Bd.

Boston, Mass.—Bids will be received until Mar. 23 by the Public Works Department for paving Boylston St. with wood block and for repairing all asphalt or bitulithic pavements not under guarantee during 1915.

Boston, Mass.—Bids will be received until Mar. 22 by the Department of Public Works for constructing bituminous macadam roadways on Broad and Montvale St., West Roxbury. L. K. Rourke is Comr.

Quincy, Mass.—(Official)—Bids will be received until noon, Mar. 22, by the Metropolitan Park Commission, 14 Beacon St., for subgrading Furnace Brook Parkway from Quincy Shore Reservation to Hancock St.

✚**Woonsocket, R. I.**—The Board of Aldermen has awarded the contract for paving Pond St. to SIMPSON BROS. CORP., Boston, Mass., at $21,995. Noted Mar. 4.

Hartford, Conn.—Bids will be received by the State Highway Commissioner, Room 27, State Capitol, until 2 p.m., Mar. 22, for State road work as follows: Bloomfield Township; About 6610 lin.ft. of native stone macadam. Also about 6879 lin. ft. of trap rock macadam and surfacing. Plans are on file with George F. Humphrey, First Selectman, Bloomfield. South Windsor Township; about 8310 lin.ft. of bituminous native stone macadam. Plans are on file with W. W. Grant, First Selectman South Windsor. Wethersfield Township; about 7685 lin.ft. of bituminous macadam. Plans are on file with A. W. Hanmer, First Selectman, Wethersfield. Enfield Township; 8650 lin.ft. of special macadam. Plans are on file at Town Clerk's office, Town Bldg., Enfield. Columbia Township; about 9964 lin.ft. of native stone macadam. Plans are on file at Selectmen's office, Columbia. Windham Township; about 6930 lin.ft. of crushed gravel. Plans are on file at Selectmen's office, Willimantic. Waterbury City; about 10,100 lin.ft. of gravel. Plans are on file at City Engineer's office, Waterbury. Stamford Township; about 4810 lin.ft. of gravel or native stone macadam. Plans are on file at Selectmen's office, Stamford.

Elmira, N. Y.—The City Council contemplates laying about 12,000 sq.yd. of brick paving. T. A. Brown is City Engr.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Mar. 10 for improving Ave. U from Coney Island to Gravesend Ave. as follows: N. Sanzo, 841 Third Ave., Brooklyn, $5539; T. Hickey, $6876; Castle Bros., $6115; McAuliff & Crowley, $7169; A. Wright, $6841; Ulrich & Co., $6364; A. W. Dumproff, $7949; Grimm Construction Co., $6709; W. T. Maxwell, $7147; T. W. Castle, $6509; L. Granato, $8287; W. W. Sherman, $6874; J. J. Guinan, $7323; McKenna & Gallagher, $6964. Noted Mar. 4.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Mar. 24, by L. H. Pounds, Borough Pres. for improving various streets.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received Mar. 11 for paving the City Island Rd. from the Eastern Blvd. to the City Island Bridge with asphaltic concrete, as follows: Municipal Asphalt Paving Co., 1451 Broadway, $19,812; Barber Asphalt Paving Co., $27,535; M. J. Leigh, $24,681; Sicilian Asphalt Paving Co., $25,185; Barker Bonner Co., $21,827; W. P. McDonald, $21,924; Uvalde Asphalt Co., $23,841; Asphalt Construction Co., $20,819. Noted Mar. 4.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—The contract for improving Marginal St. and piers of the North, East and Harlem Rivers has been awarded to the SICILIAN ASPHALT PAVING CO., 41 Park Row. Noted Feb. 18 and Mar. 11.

New York, N. Y.—(Borough of Queens)—(Official)—The Sicilian Asphalt Paving Co. was low bidder at $15,528 for improving sheet asphalt and asphaltic concrete pavement in the Second, Fourth and Fifth Wards. Noted Mar. 4.

New York, N. Y.—(Borough of Queens)—(Official)—D. M. O'Connell, at $25,063 was low bidder for improving a section of College Causeway. Noted Mar. 4.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Mar. 24, by Maurice E. Connolly, Borough Pres., for improving Creek St. from Borden Ave. to Hunters-Point Ave.; Perry Ave. from Mueller (Fiske) St. to Broad St.; Stillman Ave. from Dickson St. to west of Van Pelt St.; Sutphin Rd. from Jamaica Ave. to Lambertville Ave., Prospect St. from Harris Ave. to South Jane St.; Grand Ave. from Crescent St. to Second Ave.; Henry St. from Jackson Ave. to Prospect St., First St. from First to Third Ave.

White Plains, N. Y.—(Official)—Bids will be received until noon, Mar. 24, by Robert A. Patterson, Controller of Westchester County, for the sale of $14,994 in bonds, the proceeds of which will be used for improving and constructing highways.

Blackstone, N. J.—Bonds for $5500 have been voted to pay for the Township's share of the construction of the Blackwood-Clementon stone road.

✚**Deal Beach, N. J.**—The Board of Commissioners has awarded a contract for paving Ocean Ave. with brick to the SCHEFFLER-BURNS PAVING CO., at $132,364. Noted Dec. 3, 1914.

East Orange, N. J.—The Board of Chosen Freeholders of Essex County, Newark, plans to lay new pavement on Central Ave.

Freehold, N. J.—The Board of Chosen Freeholders of Monmouth County has approved plans for the improvement of Riverside Drive, Middletown Township.

Hackensack, N. J.—(Official)—Bids will be received until 2 p.m., Apr. 2, by the Board of Chosen Freeholders of Bergen County for improving Broadway from the Arcola Bridge to the Passaic River; Anderson Ave. from Lafayette Ave. to the Hudson county line; Kinderkamack Rd., Sixth Section. Harry A. Shuart is Clk.

✚**Irvington, N. J.**—The contract for paving and curbing Linden St. has been awarded to the NEWARK PAVING CO. at $19,313.

Jersey City, N. J.—Bonds for $150,000 were sold Mar. 11, the proceeds of which will be used for paving and repairing the Hudson County Blvd. Noted Mar. 4.

✚**Moorestown, N. J.**—A contract for constructing the State Aid road between Hartford and Fairview has been awarded to J. F. SHANLEY CO., Philadelphia, Penn., at $8600. Noted Feb. 25.

✚✚**Mt. Holly, N. J.**—(Official)—The contract for constructing stone roads in Burlington County has been awarded to PAUL J. SNYDER, Bailey Bldg., Philadelphia. Noted Feb. 18 and Mar. 11.

Newark, N. J.—The Board of Chosen Freeholders of Essex County plans to lay new pavement on South Orange Ave.

Newark, N. J.—Bids were received Mar. 4 for improving Orange Ave. (a) from First to city line with wood block, (b)

from High to First St. with granite as follows: Hassam Paving Co., (a) $36,778, (b) $39,042; O'Gara & Maguire, (a) $34,104, (b) $35,682; John E. Donovan, (a) $33,775, (b) $36,774; Ralph Langrovamin, (a) $35,454, (b) $36,380; Northern Construction Co., (a) $37,576, (b) $39,422; Newark Paving Co., (a) $32,948, (b) $34,765; John S. Geigers Sons, (a) $32,699; Van Keuren & Son, (a) $33,857, (b) $34,336; Jackson Contracting Co., (b) $36,487; Alder Construction Co., (b) $38,486. Noted Feb. 25.

Newark, N. J.—The Board of Public Works plans to pave Broad St. from South to Poiner St. with asphalt.

Perth Amboy, N. J.—The Board of Aldermen plans to pave Front St. south from Market St. with stone block.

Phillipsburg, N. J.—Press reports state that the City Council plans to pave South Main St. with brick or concrete. F. Kneedler is Mayor.

Somerville, N. J.—(Official)—Bids will be received until 10 a.m., Apr. 2, by the Board of Chosen Freeholders of Somerset County for improving Finderne Ave. Joshua Doughty, Jr. is County Engr.

Trenton, N. J.—The Board of Chosen Freeholders of Mercer County has authorized Theodore Tobish, County Engr., to prepare plans for constructing the Hightstown-Princeton Junction Rd. Noted Sept. 24, 1914.

West Pittston, Penn (Pittston post office)—The Borough Council contemplates an expenditure of $55,000 for paving this season.

★**Cumberland, Md.**—(Official)—Bids will be received until 9:30 a.m., Apr. 5, by A. W. Straub, City Clk., for paving 16 streets with brick on concrete base. James P. Gaffney is City Engr.

Rockville, Md.—Press reports state that bids will be received until Mar. 23 by the Commissioners of Montgomery County for constructing 3.52 miles of State aid highway.

Towson, Md.—Bids will soon be received by the Baltimore County Commissioners for widening and improving Roland Ave. from Deepdene Rd. to Lake Ave., to be 106 ft. wide, 10-ft. sidewalk on each side and two 29-ft. driveways, parking 28 ft. wide in center. The estimated cost is $68,000.

Lawrenceville, Va.—Bids will be received until Mar. 22 by the County Clerk for constructing about 70 miles of roads in Brunswick County.

Lovingston, Va.—At the election held Feb. 28 the citizens of Nelson County voted in favor of issuing $30,000 in bonds for constructing 8 miles of macadam road. Noted Feb. 11.

Petersburg, Va.—Bonds for $80,000 have been sold, the proceeds of which will be used for street roadway improvements.

Pulaski, Va.—Bids will be received until 2 p.m., Mar. 20, by the City Council for paving about seven miles of streets with macadam and concrete. The estimated cost is $80,000. M. S. Hudgins is City Engr.

Newland, N. C.—Bids will be received until noon, Apr. 6, by P. Maclay Brown, Secy. of the Bd. of Rd. Comrs. of Avery County, for the sale of $150,000 in bonds for constructing roads.

Raleigh, N. C.—Bids will be received until noon, Mar. 22, for the sale of $57,000 in bonds, the proceeds of which will be used for improving roads.

✚**Atlanta, Ga.**—The contract for grading Moreland Ave. from Greenwood Ave. to city limits has been awarded to EWING & BRANDON.

Jacksonville, Fla.—(Official)—Bids will be received until 10 a.m., Mar. 25 by the Commissioners of Duval County for paving and grading a number of roads. E. A. Ricker is Chn. of the Comrs.

Largo, Fla.—At a recent election the citizens voted in favor of issuing $11,000 in bonds for street paving.

Tavares, Fla.—Bids will be received until noon, Apr. 15, by H. H. Duncan, Clk. of the Bd. of Comr. of Lake County, for constructing and paving a number of roadways. J. B. McCrary Co., 1408 Third National Bank Bldg., Atlanta, Ga., is Engr. Noted Dec. 17, 1914.

Camden, Ala.—An election will be held Mar. 20 to vote on the question of issuing $25,000 in bonds for constructing roads and bridges in Wilcox County.

Elba, Ala.—The city contemplates constructing two or three miles of sidewalks. W. M. Tucker is Mayor.

Lafayette, Ala.—Bids will be received until Mar. 25 by the Commissioners of Chambers County for improving about five miles of the Welch and State Line Rd. W. S. Keller is State Highway Engr.

Jennings, La.—The citizens of Jefferson Davis Parish will vote sometime in April on the question of issuing $400,000 in bonds for constructing and improving roads.

New Orleans, La.—(Official)—Bids will be received until noon, Apr. 3, by Highway Department of the Board of State Engineers, Room 104, New Orleans Court Bldg., for constructing about five miles of the Jean-Colfax Highway, Ward 3, La Salle Parish. W. E. Atkinson is State Highway Engr.

Greeneville, Tenn.—Bids will be received until noon, Mar. 20, by H. J. Wisecarver, Secy. of the Pike Com., for the sale of $100,000 in bonds for constructing roads.

Carlisle, Ky.—Bids will be received about May 1 by James Mitchell, County Judge, for constructing approximately 250 miles of road in Nicholas County. Noted Jan. 28.

✚**Louisville, Ky.**—The contract for paving Green St. from First to Floyd St. with vitrified block has been awarded to the HENRY BICKEL CO., Louisville. Noted Mar. 11.

Madisonville, Ky.—Press reports state that the citizens of Hopkins County will vote May 8 on the question of issuing $300,000 in bonds for constructing roads and bridges.

Maysville, Ky.—The City Council plans to pave a number of streets with brick.

✚**Akron, Ohio**—Press reports state that the contract for paving Grant St. has been awarded to WINDSOR BROS.

Alliance, Ohio—Bids will be received until Apr. 6 by James I. Rickard, Dir. Pub. Ser., for improving North Arch Ave.

Barberton, Ohio—Bids will be received until Mar. 22 by O. E. Everhard, Dir. Pub. Ser., for improving Hopocan Ave. Harry W. Alcorn is City Engr.

Bucyrus, Ohio—Bids will be received until Apr. 9 by the Road Commissioners of District No. 1, Crawford County for the sale of $20,000 in bonds for constructing roads.

Caledonia, Ohio—Bids will be received until Apr. 3 by W. O. Gist, Clk., for grading, curbing and paving the public square with brick.

Canal Dover, Ohio—The City Council contemplates paving Third St.

Canton, Ohio—See item under "Miscellaneous," Creosoted Wood Block Floor.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Mar. 25, by the Board of Park Commissioners, 2005 Gilbert Ave., for constructing a roadway in Ault Park.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Mar. 26, by Philip Fosdick, Dir. Pub. Ser., for improving the right-of-way from Third to Martin St. by constructing concrete steps.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Apr. 9, by the Board of Commissioners of Hamilton County for improving Winton Ave. from Springfield Pike to McGilliard's and Cooper Rd. in Springfield Township.

Columbus, Ohio—(Official)—Bids will be received until noon, Apr. 2, by the Board of Commissioners of Franklin County, for building and completing the Norwich Township Central Rd. and the Souder Rd. in Jefferson Township.

Columbus, Ohio—(Official)—Bids will be received until noon, Mar. 31, by the Board of Commissioners of Franklin County, for improving a section of the Boehm Rd., Clark Rd. and the Doherty Rd.

Dayton, Ohio—(Official)—Bids will be received until 11 a.m., Apr. 1, by the Commissioners of Montgomery County for the sale of $18,000 in bonds, the proceeds of which will be used for improving roads.

London, Ohio—Bids will be received until Mar. 26 by J. W. Byers, Clk., for grading and paving Walnut St.

Mt. Gilead, Ohio—Bids will be received until noon, Apr. 9, by the Board of Commissioners of Morrow County for macadamizing 3½ miles of Benton Rd., in South Bloomfield Township. C. O. Higgins is County Audr.

Mt. Vernon, Ohio—Bids will be received until Mar. 29 by Walter M. Riley, County Audr., for grading the roadway in Hillier Township. Noted Feb. 25.

Napoleon, Ohio—(Official)—Bids will be received until 10 a.m., Mar. 31, by the Auditor of Henry County for joint county road improvement No. 150, Henry and Putnam Counties.

Painesville, Ohio—Bids will be received until noon, Apr. 12, by the Board of Commissioners of Lake County, for the sale of $17,000 in bonds, the proceeds of which will be used for paving Arnold and Ridge Rd. with brick. W. Albert Davis is County Audr.

Paulding, Ohio—Bids will be received until Mar. 20 by Edward McGarahan, Audr. Paulding County, for grading, draining and macadamizing about 40 miles of pike.

Upper Sandusky, Ohio—(Official)—Bids will be received until 11:30 a.m., Mar. 23, by Jay Marguerat, County Audr. of Wyandot County for improving the Salem-Crawford Township Rd.

✚**Warren, Ohio**—Contracts have been awarded for paving West Market St. to the SMITH ENGINEERING & CONSTRUCTION CO., $16,665, and Niles Ave. to TURNER & OLSON, Youngstown, $25,000. Noted Feb. 25.

Wooster, Ohio—Press reports state that bids will be received about June 1 by the Board of Commissioners of Wayne County for paving 1¾ miles of road. The estimated cost is $28,000. W. Fahr is Clk. of the Comn.

Wooster, Ohio—Bids will be received about Apr. 1 by Max Bloomburg, Dir. Pub. Ser. for paving North Beaver St. The estimated cost is $20,000.

Danville, Ind.—(Official)—Bids will be received until 10 a.m., Apr. 19 by the Commissioners of Hendricks County for constructing six roads. L. W. Borders is County Audr.

Indianapolis, Ind.—(Official)—Bids will be received until 10 a.m., Mar. 22, by the Board of Public Works for improving Gray St.

✚**Paoli, Ind.**—The contract for constructing the French Lick Township gravel road has been awarded to EVERETT LANKFORD, Paoli, Ind., at $4444.

✚**Warsaw, Ind.**—The contract for constructing a road in Lake Township has been awarded to MILES & SHAFFER, Upland, Ind., at $22,847. Noted Feb. 18.

Champaign, Ill.—(Official)—The city plans to pave several streets with brick on concrete base. L. N. Sizer is City Engr.

Chicago, Ill.—Bids will be received until Mar. 20 by the Department of Public Works for approximately 1,500,000 gal. road oil. L. E. McGann is Comr.

✚**Glencoe, Ill.**—A contract for constructing 2900 sq.yd. of concrete pavement has been awarded to the WAUKEGAN IMPROVEMENT CO., Waukegan, Ill., at $7490.

✚**Minonk, Ill.**—A contract for laying two miles of repressed brick pavement has been awarded to I. D. LAIN, Bloomington, Ill.

Pekin, Ill.—Bids will soon be received for 23,790 sq.yd. of brick paving on Second and State St. The estimated cost is $49,813. B. F. Smith is City Engr.

✚**Peoria, Ill.**—A contract for paving Underhill St. from Main to Russell St. and Windom St. from Bourland to Elmwood St. has been awarded to JOHN McALLISTER.

✚**Jefferson, Wis.**—The Board of Public Works awarded to L. LARSEN CONSTRUCTION CO., Oshkosh, Wis., contracts for vitrified brick paving on parts of Milwaukee, Dodge and First St., and reinforced-concrete paving on parts of Main St. and several alleys, at $24,744. Noted Feb. 11.

Marinette, Wis.—(Official)—Bids will be received until 2 p.m., Apr. 7, by A. L. Hillis, City Engr., for constructing about 11,000 sq.yd. of concrete pavement.

Milwaukee, Wis.—Bids will be received until 11 a.m., Mar. 22, by Louis G. Widule, County Clk., for constructing the Beloit, Mukwanago and Watertown Rd. of the Milwaukee County highway system. H. J. Kuelling is County Highway Comr.

✚Mt. Horeb, Wis.—A contract for laying 19,300 sq.yd. of concrete pavement has been awarded to N. QUINN, Madison, at $21,359.

Prairie du Chien, Wis.—(Official)—Bids will be received until 8 p.m., Apr. 14, by W. H. Turbitt, City Clk., for constructing 9106 sq.yd. of permanent pavement on concrete foundation.

Racine, Wis.—James Mutter, County Highway Comr., Racine, is completing plans for reinforced-concrete, tar macadam and bitulithic paving on Racine County highway system for 1915. Bids will be received about Mar. 22. Estimated cost, $60,000.

Sheboygan, Wis.—Bids were received Feb. 27 for paving North Fourth St. as follows: John Braun, Sheboygan, $22,044; J. Rasmussen, Oshkosh, $22,349; Franz Radloff, Plymouth, $23,327. Noted Feb. 25.

✚Watertown, Wis.—A contract for constructing reinforced-concrete pavement has been awarded to LEHMAN BROS. at $8704.

✚Manchester, Iowa—A contract for improving Howard and Butler St. has been awarded to WILLIAM JEWELL, Manchester.

✚Tipton, Iowa—A contract for paving 40,000 sq.yd. has been awarded to THOMAS CAREY & SONS, Clinton, Iowa, at $80,800.

✚Holton, Kan.—A contract for paving has been awarded to JAMES STANTON, Leavenworth, Kan., at $29,391. Noted Mar. 11.

Larned, Kan.—The City Council contemplates paving a number of streets.

Alliance, Neb.—Bids will be received until 8 p.m., Mar. 30, by George F. Snyder, City Clk., for improving a number of streets. The estimated cost is $5700.

★Fargo, N. D.—(Official)—Bids will be received until 10:30 a.m., Mar. 31 by the Board of Commissioners for the sale of $140,000 in warrants for paving. A. R. Watkins is City Audr. For particulars see advertisement under "Contracts to Be Let."

Thompson Falls, Mont.—Bonds for $65,000 were sold Mar. 1, the proceeds of which will be used for constructing roads.

Bryan, Tex.—At the election held Mar. 3 the citizens voted in favor of issuing $400,000 in bonds for constructing and improving roads in Brazos County. Noted Feb. 4.

Houston, Tex.—Press reports state that the City Council has approved the plans for paving Maple and German St.

Terrell, Tex.—Bids will be received until Mar. 23 by J. Truehart, City Secy., for improving North Rockwell Ave. from Moore Ave. to Howard St.

Wichita Falls, Tex.—Bonds for $45,000 have been sold, the proceeds of which will be used for improving a number of streets. Noted Jan. 28.

✚Brighton, Colo.—Press reports state that a contract for constructing a gravel road in Adams County has been awarded to PLEASANT DES PAIN, Westminster, Colo.

Soda Springs, Idaho—The Town Council contemplates paving 1½ miles of Dillon St. with block concrete. Work will start in the early spring.

Price, Utah—An election will be held Apr. 12 to vote on the question of issuing $31,000 in bonds for constructing roads.

✚Buckley, Wash.—A contract for completing the paving on River Ave. has been awarded to D. A. TROLSON.

Davenport, Wash.—Bids have been received by the Commissioners of Lincoln County for constructing Highway No. 1-A as follows: Jacobsen-Bede Co., Portland, low bidder, $42,534; Spokane Asphalt Macadam Paving Co., Spokane, $44,243; A. H. Zane Co., North Yakima, $45,424; Carlson-Chindahl Co., Spokane, $46,492; H. L. Wilson, Walla Walla, $46,985; G. L. Stickler, Davenport, $50,560. Noted Feb. 18.

Port Townsend, Wash.—Bids have been received by the Commissioners of Jefferson County for constructing permanent highway No. 2-A as follows: J. Coyne, Port Townsend, $8900; Gerch & Gass, Seattle, $10,748; Rowan & Anderson, Seattle, $11,400; Atlas Construction Co., Everett, $11,741; Keenan & Doyle, Seattle, $12,194.

North Bend, Ore.—Bids will be received until Mar. 23 by the City Engineer for paving Sherman Ave. and Washington St.

Portland, Ore.—Press reports state that the City Council plans to repave Russell St. from Gantenbein to Williams Ave.

Belvedere, Calif.—Plans have been prepared by the City Engineer for constructing a waterfront road. The estimated cost is $150,000.

✚Brawley, Calif.—The contract for improving Main and other streets has been awarded to the CALIFORNIA-ARIZONA CONSTRUCTION CO., Los Angeles, Calif., at $71,608. Noted Feb. 4.

✚East San Diego, Calif.—A contract for improving sections of University Ave., Steiner, and other streets has been awarded to the FEDERAL CONSTRUCTION CO., Sharon Bldg., San Francisco, at $97,185.

Hanford, Calif.—Press reports state that an election will be held May 6 to vote on the question of issuing $672,500 in bonds for constructing and improving roads in Kings County.

✚Los Angeles, Calif.—R. F. WYCKOFF, 408 Consolidated Realty Bldg., has been awarded the contract at $65,708 for improvements in the Los Feliz Ave. and Harvard Blvd. improvement district.

Oroville, Calif.—Bids will be received until Mar. 25 by the City Clerk for paving various streets.

Portersville, Calif.—The supervisors of Tulare County, Visalia are contemplating the construction of a 12-mile, 22-ft. highway from Portersville, through Plano to the Deer Creek foothills.

✚San Francisco, Calif.—The Board of Public Works has awarded contracts for street work as follows: Grading and paving of Taraval St. from 37th Ave. to the Great Highway, to the SUNSET CONSTRUCTION CO., at $23,900; Balboa St. from 45th to 46th Ave., to the BLANCHARD-BROWN CO., at $6400, and paving of Columbus Ave. from Bay to North Point St., to D. L. BIENFIELD, at $4150.

✚Nanaimo, B. C.—The contract for paving Haliburton, Skinner and Front St. has been awarded to H. S. KAISER, 718 Granville St., Vancouver, at $50,000.

INDUSTRIAL WORKS

North Adams, Mass.—According to press reports, the Hoosac Cotton Co. contemplates the construction of an addition to its plant. Estimated cost, $1,000,000.

Hartford, Conn.—William Ruinick, 26 Clark St., has had plans prepared by George Zunner, Arch., 756 Main St., for the construction of a two-story, 37x100-ft. garage at 278 Main St.

★Delhi, N. Y.—(Official)—Bids will be received until 2 p.m., Mar. 26, by William H. Maynard, Pres. of Bd. of Control, State School of Agriculture and Domestic Science, for the construction of a dairy building for the institution. Lewis E. Pilcher, Capitol, Albany, N. Y., is Arch.

✚New York, N. Y.—(Borough of Brooklyn)—The general contract for the construction of a two-story addition to the factory at 271 Lexington Ave. for F. C. Meyer has been awarded to EDWARD J. FELGENHAUER, 1199 Carroll St. Estimated cost, $15,000.

New York, N. Y.—(Borough of Brooklyn)—Plans are being prepared by W. B. Tubby, 81 Fulton St., New York, for the construction of a four-story addition to the factory at 1155 Manhattan Ave. for the Chelsea Fibre Mills, 33 Union Sq. W., New York, N. Y. Estimated cost, $30,000.

✚New York, N. Y.—(Borough of Manhattan)—The contract for the foundation work of the six-story storage building at 438 East 91st St. for William P. Cunningham, has been awarded to the UNDERPINNING & FOUNDATION CO., 290 Broadway. Estimated cost, $50,000. Noted Jan. 28.

Jamestown, N. Y.—Bids will soon be received for the construction of a three-story, 50x106-ft. factory for the Crescent Tool Co. Estimated cost, $55,000.

Jamestown, N. Y.—Wilson & Craig, Arch., is preparing plans for the construction of a three-story, 50x80-ft. warehouse for the Ames Transfer Co. Estimated cost, $25,000.

Rochester, N. Y.—Bids will be received by Cord & Ives, Arch., for the construction of a two-story, 90x100-ft. plant for Henry Connolly & Co., 42 Stone St. Estimated cost, $12,000.

✚Syracuse, N. Y.—The contract for the construction of a warehouse for George C. Buell & Co., Exchange St., has been awarded to E. K. FENNO, at $120,000.

White Plains, N. Y.—Plans are being prepared by Frank Horton Brown, First National Bank Bldg., Mt. Vernon, N. Y., for the construction of a two-story, reinforced-concrete storage building on North St. for the Bloomingdale Hospital. Estimated cost, $20,000.

Yonkers, N. Y.—Roger S. Conant, 14 South Broadway, is preparing plans for the construction of a storage building and machine shop at 350 South Broadway for the Terrace City Motor Car Co., Inc., 14 South Broadway.

Newark, N. J.—Plans are being prepared by Frank Grad, 245 Springfield Ave., for the construction of a two-story factory on Halsey St. for the Essex Realty & Investment Co., 142 Market St. Estimated cost, $10,000.

Newark, N. J.—Plans are being prepared for the construction of a one-story, 70x200-ft. addition for Heller & Merz Co., Hamburg Pl. Estimated cost, $18,000.

Erie, Penn.—Plans are being prepared by Armin Schott, Arch., Erie Trust Bldg., for the construction of a one-story, 250x300-ft. factory for the Erie Stove & Mfg. Co.

✚New Castle, Penn.—The contract for the construction of an addition to the plant of the Carnegie Steel Co. has been awarded to the PENNSYLVANIA ENGINEERING CO. Estimated cost, $2,000,000.

Philadelphia, Penn.—Bids will be received by Edward J. Schoettle Co., 237 N. Sixth St., for the construction of an eight-story, reinforced-concrete factory at 11th and Brandywine St. Day & Klauder, 925 Chestnut St., is Arch. Noted Feb. 4.

Newport News, Va.—According to press reports the International Tool Co. plans to construct a plant. Estimated cost, $20,000. I. H. Case is Pres.

Richmond, Va.—Preliminary plans are being prepared for the construction of a warehouse at Fifteenth and Franklin St. for Fleming & Christian. Estimated cost, $20,000.

Norwood, W. Va.—The Norwood Glass Co., Clarksburg, plans to construct an addition to its plant for the manufacture of hard-blown glass. Estimated cost, $75,000.

✚Macon, Ga.—The contract for the construction of an addition to the plant of the Bibb Mfg. Co. has been awarded to the GALLIVAN BUILDING CO., Greenville, S. C. Estimated cost, $20,000.

Rome, Ga.—An addition will be constructed to the plant of the Anchor Duck Mills. The estimated cost is $20,000.

Decatur, Ala.—The Decatur Car Wheel Co. plans to construct an addition to its plant for manufacturing frogs and switches. Estimated cost, $200,000.

Troy, Ala.—Preliminary plans are being prepared for the construction of a feed mill for L. M. Bashinsky and Ewell C. Bassett. Estimated cost, $50,000.

Natchez, Miss.—Bids will be received soon by Neely Bros. Corn & Grist Mill Co., for the construction of a grain elevator. Estimated cost, $30,000.

Memphis, Tenn.—Plans are being prepared for the construction of a cottonseed oil mill for Edward Tilden, Chicago, Ill. Estimated cost, $100,000.

✚Cleveland, Ohio—The contract for the construction of an addition to the plant of the Electric Welding Co., 2206 Clarkwood Ave., has been awarded to L. A. DAUTEL & SONS CO., 5710 Hough Ave. Estimated cost, $16,000.

Cleveland, Ohio—The National Acme Manufacturing Co. is having plans prepared for the construction of a factory on Santon Ave. Estimated cost, $125,000.

Cleveland, Ohio—Preliminary plans are being prepared for the construction of a four-story, 200x322-ft. factory for the Richman Bros. Co., 1299 West Ninth St. Estimated cost, $300,000.

Lima, Ohio—The National Peat Refining Co. will construct a $20,000 refinery.

Springfield, Ohio—The Elwood Myers Co. contemplates the construction of a two-story addition to its plant on Main St.

Tippecanoe City, Ohio—The Atlas Portland Cement Co. plans to construct a plant having a capacity of 5000 bbl. of cement per day. Estimated cost, $1,000,000.

Youngstown, Ohio—The Republic Iron & Steel Co. is having plans prepared for the construction of a benzol plant. Estimated cost, $300,000.

Evansville, Ind.—The Crescent Stove Co. plans to construct an addition to its plant. Estimated cost, $50,000.

Mishawaka, Ind.—The Mishawaka Woolen Mfg. Co. plans to construct two factory buildings. Estimated cost, $500,000.

✚Detroit, Mich.—Contracts for the construction of a four-story, reinforced-concrete warehouse for the Endicott Johnson Co. have been awarded as follows: M. I. FORD, Binghamton, N. Y., concrete and cement work; FRANK E. WHITTEMORE, Lestershire, N. Y., foundation work; N. P. BRINK, Binghamton, structural steel. Estimated cost, $150,000.

Chicago, Ill.—Paul Gerhardt is preparing plans for the construction of a five-story, 100x100-ft. warehouse at 218 West Ohio St. for Carl Marty. Estimated cost, $150,000.

✚Chicago, Ill.—The contract for the construction of a four-story, 50x95-ft. factory at Harrison and Fifth Ave. for J. & B. Moos, has been awarded to the SOLOMON-WATERTON CONSTRUCTION CO., 343 S. Dearborn St., at $40,000.

Chicago, Ill.—Marshall Field & Co., 22 East Washington St., is having plans prepared by William Ernest Walker, Arch., 38 South Dearborn St., for the construction of an addition to its garage at 4347 Ravenswood Ave. The estimated cost is $20,000.

De Pere, Wis.—The Western Steel & Iron Works has had plans prepared for the construction of a two-story brick addition on Main Ave.

Milwaukee, Wis.—Plans have been prepared for the construction of an addition to the shoe factory on East Water St. for R. Weyenberg. Estimated cost, $80,000.

Faribault, Minn.—According to press reports, the Faribault Packing & Provision Co. plans to construct a packing plant. Estimated cost, $500,000.

✚Minneapolis, Minn.—The S. R. Sikes Co. has awarded the contract for the construction of a three-story factory to ELSON-WILLIAMS, 830 Hennepin Ave., Minneapolis, Minn.

Kansas City, Mo.—E. C. Sooy, Pres. of the Kansas City Hay Press Co., Eighth and Mill St., will construct a 100x160-ft. garage and machine shop. The estimated cost is $15,000.

San Antonio, Tex.—The Linnartz & Frey Co. will construct a fireproof warehouse at Dakota and Walnut St. Estimated cost, $15,000.

✚Seattle, Wash.—R. W. Pridham, White Bldg., has awarded the contract for constructing the first unit of a paper board factory to H. D. STEWART, American Bank Bldg., at $55,000. The entire plant will cost $140,000.

Seattle, Wash.—Bids will be received until 1:30 p.m., Mar. 24, by the Port Commission for the construction of a fish and ice storage building at Whatcom Ave. and Spokane St. Estimated cost, $50,000. Noted Mar. 4.

Tacoma, Wash.—Henry Hewitt, Jr., and D. D. Bleyker contemplate the construction of a plant for the manufacture of writing paper. Estimated cost, $300,000.

Armona, Calif.—Preliminary plans are being prepared for the construction of a packing plant for the Kings County Packing Co. Estimated cost, $75,000.

✚Los Angeles, Calif.—The contract for the construction of a factory on East Eighth St. for the General Chemical Co. has been awarded to the DAVIDSON CONSTRUCTION CO., 16th and Tennessee St., at $14,000. Noted Feb. 18.

San Fernando, Calif.—The San Fernando Heights Lemon Co. is having plans prepared by H. J. Knauer, 441 Wesley Roberts Bldg., Los Angeles, Calif., for the construction of a 80x172-ft. packing plant. Estimated cost, $12,000.

San Francisco, Calif.—O'Brien Bros., Arch., is preparing plans for the construction of an addition to a garage at Bush and Taylor St. for Dolson & Anderson. Estimated cost, $25,000.

✚San Francisco, Calif.—The Western Sugar Refining Co. has awarded the contract for the structural steel work on its proposed factory to the GOLDEN WEST IRON WORKS, at $56.75 per ton. Noted Dec. 31 and Jan. 21.

Hamilton, Ont.—The United States Horse Shoe Co., Erie, Penn., contemplates the construction of a plant in Hamilton. Estimated cost, $125,000.

FEDERAL GOVERNMENT WORK

Building—Portland, Maine—Bids will be received by Oscar Wenderoth, Superv. Arch., Washington, D. C., for the construction of the steerage barracks and storehouse for the U. S. quarantine station at Portland.

Post Office—Greenfield, Mass.—Bids were received for the construction of a post office at Greenfield, (a) limestone, (b) sandstone, as follows: Conners Bros. Co., New York, (a) $62,710, (b) $63,710; Daniel O'Connell Sons, Holyoke, Mass., (a) $85,278, (b) $88,124; Charles W. Wright, Lynn, Mass., (a) $73,939; James Miles & Son Co., Worcester, Mass., (a) $71,747, (b) $72,447; C. M. Leach, Boston, Mass., (a) $77,873, (b) $79,673; Sarubbi Building & Construction Co., Springfield, Mass., (a) $82,000, (b) $82,000; Louis P. Fluhrer Co., New York, (a) $67,500; Thomas W. Cissel, Wooster, Ohio, (a) $59,000, (b) $62,000; Westchester Engineering Co., White Plains, N. Y., (a) $59,661, (b) $63,000; W. H. Fissell & Co., New York, (a) $60,400, (b) $62,900; E. T. Abbott Construction Co., New York, (a) $66,500, (b) $68,300; Charles E. Currier Co., Boston, Mass., (a) $60,900, (b) $61,300; Damon & Boutwell, Fitchburg, Mass., (a) $84,270, (b) $85,195; H. L. Hemenway Co., Boston, Mass, (a) $64,973, (b) $65,973; Horton & Hemenway, Boston, Mass., (a) $64,688; Woodbury & Leighton, Boston, Mass, (a) $66,970. Noted Feb. 11.

Structural Steel—Newport, R. I.—The following are the bidders for furnishing and erecting 2,050,000 lb. of steel at the Newport torpedo factory, price being per lb.: Phœnix Bridge Co., 0.0234c.; Belmont Iron Works, 0.0244c.; Lewis Shoemaker & Co., 0.0249c.; McClintic-Marshall Co., 0.0253c.; Darling-Slade Construction Co., 0.0261c.; Milliken Bros., Inc., 0.0264c.; Riter-Conley Mfg. Co., 0.02725c.; New England Structural Steel Co., 0.0284c.; Pittsburgh-Des Moines Steel Co., 0.0295c.; American Bridge Co, 0.0305c.; Penn Steel Co., 0.0285c.

✚Post Office—Danbury, Conn.—The contract for the construction of a post office at Danbury has been awarded to the CHARLES McCAUL CO., Philadelphia, Penn., at $61,900. Noted Sept. 24 and Nov. 12.

Earthwork—New London, Conn.—The following are the bids received for bank revetment on the Connecticut River: Frederick S. Wardwell, Stamford, Conn., $25,510; Daniel O'Connell's Sons, 480 Hampden St., Holyoke, Mass., $16,770; C. R. Simpson, 170 Broadway, New York, N. Y., $30,060; Pierson Engineering & Construction Co., Hartford, Conn., $26,300; A. C. Sternberg, West Hartford, Conn., $19,990; Ralph M. Brown, 62 William St., New York, $20,780; Estate of John Beattie, Leete Island, Conn., $17,100; Elmer H. Brown, Hempstead, N. Y., $32,300; Olsen & Klavens, 336 61st St., Brooklyn, N. Y., $16,090; E. S. Belden & Sons, 217 Laurel St., Hartford, Conn., $21,490. Noted Feb. 4.

★Dredging—Buffalo, N. Y.—Bids will be received until 11 a.m., Apr. 15, by Col. J. G. Warren, Federal Bldg., Buffalo, for dredging in Niagara River.

★Supplies—New York, N. Y.—(Governors Island)—Bids will be received until 11 a.m., Apr. 14, by the Department Quartermaster, for furnishing forage and straw (three months' and a year's supply) and fuel, gasoline, mineral oil, beef and mutton.

Steel Tanks—New York, N. Y.—The following are the bids received by Col. S. W. Roessler, Army Bldg., New York, for furnishing at the manufacturers plant, 20 steel tanks: Standard Gas Power Corporation $12,000; Theodore Smith & Sons Co., $9625; Franklin Machine & Steam Boiler Works, $9997; M. H. Treadwell Co., $8900; S. Freeman & Sons Mfg. Co., $7300; Lake Erie Boiler Works, $9600; Steacy Schmidt Mfg. Co., $7850; Turl Iron & Car Co., Inc., $8950; Robert S. Hall, Warren, Penn., $6520; James Loppon Mfg. Co., $8746; Ruemmli Dawley Mfg. Co., $7625; Cruse Temper Co., $8000; The Ohio Co., $9876; A. D. Granger Co., $8425; Coltesville Boiler Works, $9760; D. B. M. Dillon Boiler Works, $11,130; McAllenan Bros. Co., $7961; Standard Boiler Plate & Iron Co., $7600.

✚★Cement—New York, N. Y.—The contract for furnishing and delivering 32,000 bbl. of American cement has been awarded to the ALPHA PORTLAND CEMENT CO., Easton, Penn. Noted Feb. 18 and Mar. 4.

✚★Dredging—Portchester, N. Y.—The contract for dredging in Portchester Harbor has been awarded to JOHN H. SEELY, at 31c. per cu.yd., scow measurement. Noted Feb. 18 and Feb. 25.

Experiment Station—Pittsburgh, Penn.—Bids were received for the construction and mechanical equipment for the experiment station of the Bureau of Mines, Pittsburgh, as follows: Construction, (a) clearing site and necessary excavation; (b) construction proper: George B. Wills & Co., New York, (a) $43,000, (b) $257,922; Bothwell & Carson, Pittsburgh, (a) $47,000; John F. Casey Co., Pittsburgh, (a) $29,200; Irwin & Leighton, Philadelphia, Penn., (a) $38,400, (b) $264,400; Golden & Crick, Pittsburgh, (b) $315,205; George A. Fuller Co., New York, (a) $44,000, (b) $309,464; David T. Riffle, Pittsburgh, (a) $43,269, (b) $342,552; C. A. Riffle, Pittsburgh, (a) $27,242; James L. Stuart, Pittsburgh, (a) $38,000, (b) $330,400; Conners Bros. Co., Lowell, Mass., (a) $54,800, (b) $289,450, both $339,450; George Hogg Co., Pittsburgh, (a) $36,411, (b) $304,683; Henry Shenk Co., Pittsburgh, (a) $39,000, (b) $309,399; Thompson-Starrett Co., New York, (b) $317,000; Booth & Flinn, Ltd., Pittsburgh, (a) $43,884; Lathrop, Shea & Henwood Co., Scranton, (a) $59,300; W. G. Costin, Pittsburgh, (a) $37,800; For the mechanical equipment, bids were as follows: W. G. Cornell Co., Washington, D. C., $63,795; S. Faith & Co., Philadelphia, $71,773; Standard Engineering Co., Washington, D. C., $67,150; Thompson-Starrett Co., New York, $76,770; Chris Irving Plumbing & Heating Co., Denver, Colo., $78,656; John W. Danforth Co., Buffalo, N. Y., $72,847; Fitzpatrick & Hoepfner, Columbus, Ohio, $72,688; Hanley-Casey Mechanical Equipment Co., Chicago, Ill., $63,900.

✚Bridge—Washington, D. C.—The contract for substituting a through span for deck span in the Penn. Ave. bridge across the Anacostia River, has been awarded to the PENN BRIDGE CO., Beaver Falls, Penn., at $6780. Noted Jan. 21 and Feb. 25.

✚Cement—Washington, D. C.—The following contracts have been awarded by the U. S. Reclamation Service for furnishing cement at its various projects: COLORADO PORTLAND CEMENT CO., Denver, Colo., 1500 bbl., for Grand and Uncompahgre projects, Colo., at $1 per bbl.; INTERNATIONAL PORTLAND CEMENT CO., Spokane, Wash., 10,000 bbl. for use on Okanogan and Yakima Storage projects, Wash., and Umatilla project, Ore., at $1.18; LEHIGH PORTLAND CEMENT CO., Allentown, Penn., 6000 bbl. for Flathead project, Mont., and Sunnyside project, Wash., at $1; PACIFIC PORTLAND CEMENT CO., San Francisco, Calif., 1300 bbl. for Klamath and Orland projects, Calif., at $1.40; THREE FORKS PORTLAND CEMENT CO., Ogden, Utah, 11,000 bbl. for projects in Montana, at $1.20; UNION PORTLAND CEMENT CO., Ogden, Utah, 24,000 bbl. for Boise and Minidoka projects, Idaho, and Strawberry Valley project, Utah, at $1.10.

Heating System—Washington, D. C.—Bids were received Mar. 12 by the Commissioners of the District of Columbia for installing a heating and ventilating system in connection with the reconstruction of the Western High School, as follows: Monarch Ventilating Co., 30 Church St., New York, $17,625; Biggs Heating Co., 917 H St., N. W., Washington, D. C., $18,-125; Detroit Heating Co., Detroit, Mich., $17,863; W. G. Cornell Co., Southern Bldg., Washington, D. C., $14,740. Noted Nov. 5 and Dec. 3.

Grading—Washington, D. C.—Bids were received for grading certain streets in the District, the work aggregating about 30,000 cu.yd., as follows: Chesapeake Construction Co., Chesapeake, Md., 35c.; Harper & Voight, 34¾c.; Warren F. Brenizer Co., 22c.; George Hyman, 39c.; William F. Cush, 58c.; R. P. Dendy, Norfolk, Va., 34½c.; G. B. Mullen Co., 27⅞c.; Edward G. Gummel, 34c.; F. B. Beasman, Baltimore, Md., 33c. Above bidders are of Washington unless otherwise specified. Noted Mar. 11.

Retaining Wall—Washington, D. C.—Bids were received for the construction of a retaining wall along the west (16th St.) side of the Meridian Hill Park between W and Euclid St., N. W., as follows: National Foundation & Engineering Co., Cleveland, Ohio, $24,100; Kennedy-Campbell Co., 2504 Irving St., $23,425; Fred Drew, Inc., Woodward Bldg., $24,-795; W. H. McCray, Bond Bldg., $24,600; R. J. Beall Construction Co., 734 15th St., $23,649; Davis Construction Co., Union Trust Bldg., $32,757; Arthur L. Smith, Woodward Bldg., $29,672; Boyle-Robertson Construction Co., 1416 H St., N. W., $23,397. All of the above bidders are of Washington unless otherwise specified. Noted Feb. 11.

✚**Building**—Arlington, Va.—The contract for furnishing the marble for the Arlington memorial has been awarded to the VERMONT MARBLE CO., Proctor, Vt. The contract price is about $750,000. Noted Nov. 19, Dec. 24 and Feb. 18.

Garbage Incinerator—Norfolk, Va.—Bids will be received until Mar. 30 by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for constructing a garbage incinerator at the Navy Yard, Norfolk.

★**Dredging**—Wilmington, N. C.—Bids have been received for dredging (a) Neuse River, (b) waterway, Pamlico Sound to Beaufort Inlet, (c) harbor at Beaufort. Prices are per cu.yd., as follows: Simons-Mayrant Co., Charleston, S. C., (a) 16.8c., (b) 16.8c., (c) 30c.; Coastwise Dredging Co., Norfolk, Va., (a) 13.9c., (b) 13.9c.; Norfolk Dredging Co., Norfolk, Va., 15.69c.; Ricards Dredging Co., Philadelphia, Penn., (a) 14.5c., (b) 10.5c., (c) 12.8c. Noted Feb. 11.

✚★**Jetty Construction**—Savannah, Ga.—The contract for placing stone in jetty at Savannah Harbor has been awarded to R. S. SALAS, Savannah, Ga., at $79,600. Noted Jan. 28.

★**Stone**—New Orleans, La.—Bids will be received until 11 a.m., Apr. 13, by Maj. Edward H. Schulz, U. S. Engineer Office, New Orleans, for furnishing and delivering about 10,000 cu.yd. of stone at South Pass and Southwest Pass, Mississippi River.

Earthwork—New Orleans, La.—Bids will be received until 11 a.m., Mar. 25, by Maj. W. G. Caples, U. S. Engineer Office, New Orleans, for constructing about 309,000 cu.yd. of earthwork in the Lower Tensas and Atchafalaya levee districts.

Post Office—Covington, Tenn.—The following are the bids received for the construction of the post office at Covington, (a) using limestone for all stonework, except where granite is required, (b) using sandstone for all stonework, except where granite is required: George W. Stiles Construction Co., Chicago, Ill., (a) $36,500; J. L. Crouse, Greensboro, N. C., (a) $37,990, (b) $38,490; Colonial Construction & Supply Co., Charlottesville, Va., (a) $38,279; Rogers & Kaiser, Chicago, Ill., (a) $38,422, (b) $39,500; Algernon Blair, Montgomery, Ala., (a) $38,472, (b) $40,000; Potter's Lumber Co., East Liverpool, Ohio, (a) $38,700, Newport Contracting & Engineering Co., Newport News, Va., (a) $39,193; R. S. Moore, LaFayette, Ind., (a) $39,554, (b) $40,444; W. H. Fissell & Co., New York, N. Y., (a) $39,990, (b) $40,990; V. E. Taylor, Huntington, W. Va., (a) $40,-350; Mayben & Freuchtel, Gadsden, Ala., (a) $40,504, (b) $41,-000; E. T. Abbott Construction Co., New York, N. Y. (a) $41,-500, (b) $42,000; Thomas W. Cissel, Wooster, Ohio, (a) $41,760, (b) $42,850; George Hinchliff Co., Chicago, Ill., (a) $42,690. Noted Jan. 14.

★**Steel Gates**—Nashville, Tenn.—Bids will be received until 11 a.m., Apr. 12, by Maj. H. Burgess, U. S. Engineer Office, Nashville, for the construction and erection of steel gates for locks B and C, Cumberland River.

Post Office—Alliance, Ohio—Bids were received for the construction of a post office at Alliance, (a) limestone, (b) sandstone, as follows: Ohio Building & Construction Co., Cincinnati, Ohio, (a) $89,575, (b) $89,990; M. Yeager & Sons, Danville, Ill., (a) $90,969, (b) $91,769; R. S. Moore, LaFayette, Ind., (a) $85,575, (b) $86,349; John G. Unkefer & Co., Minerva, Ohio, (a) $89,525, (b) $90,275; J. G. Rogers Co., Moorestown, N. J., (a) $94,250, (b) $95,370; William H. Fissell, New York, (a) $84,900, (b) $86,500; Potter's Lumber Co., East Liverpool, Ohio, (a) $86,345, (b) $87,000; Torbert Construction Co., Hampton, Va., (a) $91,275, (b) $92,250; James Devault, Canton, Ohio, (a) $94,873, (b) $95,750; Charles W. Gindele Co., Chicago, Ill., (a) $84,000, (b) $84,600; James I. Barnes, Logansport, Ind., (a) $98,110, (b) $98,355; Thomas W. Cissel, Wooster, Ohio, (a) $93,968, (b) $94,742; E. T. Abbott Construction Co., New York, (a) $77,500, (b) $77,950; F. Schellenburg, Pittsburgh, Penn., (a) $82,000, (b) $83,000; J. L. Crouse, Greensboro, N. C., (a) $89,704, (b) $90,354. Noted Jan. 21.

✚★**Towboats**—Cincinnati, Ohio—The contract for constructing and delivering two steel hull sternwheel towboats has been awarded to the CHARLES BARNES CO., Cincinnati, Ohio, at $42,789. Noted Jan. 28 and Mar. 4.

Fuel Flats and Barge—Cincinnati, Ohio—The following are the bids received for constructing and delivering two steel fuel flats, Nos. 18 and 19 and one steel barge No. 15: Pittsburgh Des Moines Steel Co., Pittsburgh, Penn., (a) for two fuel flats, delivered at Cincinnati, $7743, (b) for one barge delivered at Cincinnati, $7509, (c) for two fuel flats delivered at bidders' yards, $7543, (d) for one barge, delivered at bidders' yards, $7309; Dubuque Boat & Boiler Works, Dubuque, Iowa, (a) $7142, (b) $7509, (c) $6902, (d) $6882; Milwaukee Bridge Co., Milwaukee, Wis., (a) $8997, (b) $8745; Charles Hegewald Co., New Albany, Ind., (a) $7899, (b) $7699, (c) $7799, (d) $7599; Hartman-Greiling Co., Green Bay, Wis., (a) $8185, (b) $8105, (c) $7685, (d) $7605; Rock Island Bridge & Iron Works, Rock Island, Ill., (a) $8450, (b) $8450, (c) $8250, (d) $8250; Edward J. Howard, Jeffersonville, Ind., (a) $7993, (b) $7349, (c) $7918, (d) $7274; American Bridge Co., Cincinnati, (a) $7850, (b) $7600, (c) $7600, (d) $7350. Noted Feb. 4.

✚**Post Office**—Tiffin, Ohio—The contract for the construction of a post office at Tiffin has been awarded to the COLONIAL CONSTRUCTION & SUPPLY CO., Charlottesville, Va., at $71,916. Noted Dec. 17 and Feb. 18.

Remodeling Post Office, Courthouse and Customhouse—Toledo, Ohio—Bids will be received until 3 p.m., Apr. 23, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the extension, remodeling, etc., of the post office, courthouse and customhouse at Toledo.

Fir Timber—Michigan—The following are the bids received for furnishing fir timber for river and harbor work at Ontonagon, Grand Marais and Keeweenaw Point, Mich.: Martin Bros., Duluth, Minn., $6262; Ward Lumber Co., Lynchburg, Va., $25,830; Corey Bros. Lumber Co., Superior, Wis., $6262; James Pryor & Son, Houghton, Mich., $6614; J. O. Nessen Lumber Co., Chicago, Ill., $6457; G. Elias & Bro., Inc., Buffalo, N. Y., $6575; Hoquiam Lumber & Shingle Co., Hoquiam, Wash., $7045; A. V. Holahan, Superior, Wis., $6457; Lord & Bushnell Co., Chicago, Ill., $7685; Mutual Lumber Co., Minneapolis, Minn., $7045; H. B. Waite Lumber Co., Minneapolis, $6184; Union Lumber Co., Union Mills, Wash., $6371; Henry D. Davis Lumber Co., Portland, Ore., $6262; White Star Lumber Co., Whites, Wash., $6347; Eatonville Lumber Co., Tacoma, Wash., $6575; Charles L. Spaulding Logging Co., Portland, Ore., $6449; Keystone Lumber Co., Minneapolis, Minn., $7045; Pacific States Lumber Co., Tacoma, Wash., $7427; Woodruff Lumber Co., Duluth, Minn., $6215; Pacific Fir Co., Seattle, Wash., $6849. Bids were opened by Maj. E. D. Peek, U. S. Engineer office, Duluth, Minn.

Post Office—Miles City, Mont.—The following are the bids received for constructing the post office at Miles City, (a) using limestone for all exterior stonework, except where granite is required, the building to be stone-faced design, (b) using sandstone for all exterior stonework, except where granite is required, the building to be stone-faced design, (c) using limestone for all exterior stonework, except where granite is required, the building to be of the brick-faced design with stone trimmings, (d) using sandstone for all exterior stonework, except where granite is required, the building to be of the brick faced design with stone trimmings; Hiram Lloyd Building & Construction Co., Odd Fellows Bldg., St. Louis, Mo., (a) $92,517, (b) $98,517, (c) $85,517, (d) $89,517; Gray Construction Co., Watertown, S. D., (a) $94,177, (b) $108,-990, (c) $89,302, (d) $96,487; William O'Neill & Son Co., Faribault, Minn., (a) $94,785, (c) $92,285; Campbell Building Co., of Utah, Salt Lake City, Utah, (a) $96,938, (b) $107,000, (c) $93,-000, (d) $97,00; John Lauritzen, Fergus Falls, Minn., (a) $96,-990, (c) $91,990, Frank L. Johnson & Co., Duluth, Minn., (a) $97,046, (b) $103,946, (c) $93,096, (d) $95,496; Olson & Johnson Co., Missoula, Mont., (a) $99,285, (b) $103,885, (c) $94,650, (d) $97,800; Sound Construction & Engineering Co., Seattle, Wash., (a) $100,193, (b) $101,693, (c) $93,548, (d) $94,548; J. H. Wiese, Omaha, Neb., (a) $107,730, (c) $103,500; Liegland, Kleppe & Co., (a) $111,970, (b) $119,470, (c) $105,850, (d) $109,850; Bailey-Marsh Co., Minneapolis, Minn., (a) $112,896, (c) $108,-196; J. W. Miller, St. Paul, Minn., (a) $116,724, (b) $129,924, (c) $111,954. Noted Jan. 7.

✚**Remodeling Building**—St. Louis, Mo.—The contract for the construction of an extension to the custom house at St. Louis, Mo., has been awarded to the WHARTON BUILDING & SUPPLY CO., St. Louis, Mo. Noted Dec. 17 and Jan. 28.

Post Office and Court House—Lawton, Okla.—Bids were received for the construction of a post office and court house at Lawton, (a) light-colored limestone, (b) light-colored sandstone, (c) Oklahoma limestone, as follows: Thomas W. Cissel, Wooster, Ohio, (a) $132,497, (b) $140,000; R. S. Moore, LaFayette, Ind., (a) $121,946; Hiram Lloyd Bldg. & Construction Co., St. Louis, Mo., (a) $129,917, (b) $133,917, (c) $131,917; M. Yeager & Sons, Danville, Ill., (a) $123,835, (b) $128,335, (c) $125,971; King Lumber Co., Charlottesville, Va., (a) $149,300, (b) $139,100, (c) $179,700; Campbell Building Co., Salt Lake City, Utah, (a) $120,500, (b) $134,000; George A. Shaul, Seneca Falls, Kan., (a) $129,352; Kreipke-Schafer Construction Co., El Reno, Okla., (a) $152,219; Volney T. Taylor, Huntington, W. Va., (a) $147,004, (b) $155,000; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $124,727; W. D. Lovell, Minneapolis, Minn., (a) $130,000; William O'Neill & Son Co., Faribault, Minn., (a) $123,340; R. P. Farnsworth & Co., Owensboro, Ky., (a) $153,000. Noted Jan. 7.

✚**Canal Work**—Payson, Utah—The contract for the construction of Schedule 4 of the Highline Canal, Strawberry Valley project, Utah, has been awarded to the REYNOLDSELY CONSTRUCTION CO., Springville, Utah. The work consists of approximately 155,000 cu.yd. of excavation for canals, 26,000 cu.yd. of excavation for structures, 1250 cu.yd. of reinforced concrete, 467,000 sq.ft. of concrete canal lining and other miscellaneous items. Noted Jan. 28.

✚**Excavation, Etc.**—Payson, Utah—The contract for construction, involving 158,000 yd. of excavation, 7000 yd. of concrete and other items has been awarded to the REYNOLDSELY CONSTRUCTION CO., Springville, Utah, at $82,625. Noted Jan. 7 and Feb. 18.

Canal Work—Payson, Utah—Bids will be received until 2 p.m., Apr. 8, by the U. S. Reclamation Service, Provo, Utah, for canal work involving about 8000 yd. of excavation and 1350 yd. of concrete. The work is located near Payson on the San Pedro, Los Angeles & Salt Lake R.R. and the Tintic branch of the Denver & Rio Grande R.R. H. P. Davis is Ch. Engr.

Slide Gates—Glendale, Ariz.—The following bids were received by the U. S. Reclamation Service, Los Angeles, Calif., for furnishing bronze slide gates, Salt River project: Pelton Water Wheel Co., San Francisco, Calif., $6660, at San Francisco Calif.; Llewellyn Iron Works, Los Angeles, Calif., $6950, Los Angeles; Fulton Engine Works, San Francisco, $6957, Los Angeles; Joshua Henry Iron Works, San Francisco, $8212, Sunnyside, Calif.

✚**Cofferdam**—Seattle, Wash.—The contract for excavating and removing an existing cofferdam and constructing a new cofferdam at the Puget Sound-Lake Washington lock site, has been awarded to the ERICKSON CONSTRUCTION CO., Seattle, Wash., at $56,777. Noted Jan. 28.

✚**Wireless Towers**—San Diego, Calif.—Contracts have been awarded for the construction of wireless towers, three each at San Diego, Calif., Pearl Harbor, Hawaii and Cavite, P. I., as follows: San Diego, Calif., LLEWELLYN IRON WORKS, Los Angeles, Calif., at 4.85c. per lb. and at Pearl Harbor, Hawaii, at 5.15c. per lb.; Cavite, P. I.: CHICAGO BRIDGE & IRON CO. and PITTSBURGH-DES MOINES STEEL CO., Pittsburgh, Penn., at 5.7c. The towers are to be each 600 ft. high and will weigh 300 tons. Noted Mar. 4.

Miscellaneous Supplies—Panama—Bids will be received by Maj. F. C. Boggs, Gen. Pur. Officer of the Panama Canal, Washington, D. C. until Mar. 30 for furnishing steel reinforcing bars, steel cable, chain, poultry netting, coupler knuckle pins, machine bolts, pipe fittings, copper sheathing, shovels, track chisels, hasps and staples, hinges, engine lubricators, starting compensator for motor, grease cups, basin traps, valves, cocks, paintbrushes, flax packing, doormats, chair seats, water coolers, chinaware, agate pitchers, teaspoons, cardboard, paper, sulphate of copper, gasoline, and lard oil. Delivery is to be made on dock either at Colon or Port of Ancon.

Foundations—Cavite, P. I.—The only bid received at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of foundations of the wireless towers at Cavite was that of Henry Monk, Pensacola, Fla., at $26,640. Noted Jan. 28.

✚**Water Supply Pipe Line**—Honolulu, H. T.—The contract for installing a water supply pipe line at Honolulu has been awarded to the HAM-YOUNG CO., Honolulu, at $4895.

MISCELLANEOUS

✚**Fire Station**—Hopedale, Mass.—The contract for the construction of the proposed fire station has been awarded to WALTER L. MELLEN, Worcester, at about $50,000.

Seawall—Bridgeport, Conn.—The Board of Park Commissioners has decided to construct 450 additional ft. of seawall at Seaside Park this spring. The Board of Apportionment has allowed the Commissioners $15,000 for the work.

River Improvement—Buffalo, N. Y.—The Board of Aldermen has voted $130,000 in bonds to be issued for river improvement. Noted Dec. 10.

Dock—Dunkirk, N. Y.—Bids will be received about Apr. 15 for the purchase of bonds, the proceeds of which will be used in constructing the proposed municipal dock. The plans have already been prepared and the government has made an appropriation of $90,000 for harbor improvements contingent upon its construction. The estimated cost is $100,000. W. H. Shelton is City Engr. Noted Sept. 10, Nov. 5.

Creek Improvement—New York, N. Y.—(Borough of Queens)—The Board of Aldermen has approved an appropriation of $28,294 for the construction of a covering for Beaver Creek where it passes through the South Jamaica section. Originally $120,000 was asked to clean Beaver Pond as well as the creek but this amount was deemed excessive at this time.

✚**Pier**—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of a pier at 46th St. and North River has been awarded by the Department of Docks and Ferries to the HOLBROOK, CABOT & ROLLINS CORPORATION, 331 Madison Ave., at $244,449.

Ladder Dredge and Pumps—New York, N. Y.—(Official)—The Eastern Gravel Corporation, 111 Broadway, will build a ladder dredge. This company also wishes to rent or purchase a dredge for temporary use. Catalogs and price lists are desired from manufacturers of pumps, boilers and screening apparatus, suitable for installation on its ladder dredge.

Motor Trucks—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Mar. 24, by William Williams, Supt. Water Supply, Gas and Electricity, Municipal Bldg., for furnishing and delivering nine 1½-ton motor trucks with bodies and other appurtenances complete.

★**Animal Building**—New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until 11:30 a.m., Mar. 31, by Joseph J. O'Connell, M. D., Health Officer of the Port of New York, at Quarantine Station, Rosebank, for the construction of an animal building. For details see advertisement under "Contracts To Be Let."

Fire Station—Syracuse, N. Y.—Plans have been revised and bids will be received until Mar. 23 for the construction of a two-story, 40x114-ft. fire station. The estimated cost is $16,000. J. A. Randall is City Arch.

Fire Station—White Plains, N. Y.—The village of White Plains plans the construction of a two-story fire station. The estimated cost is $12,000. F. H. Brown, First National Bank Bldg., is Arch.

Pier—Bayonne, N. J.—The city is considering the construction of a recreation pier at 25th St. and Newark Bay. Edward Nelson, Councilman, is interested.

★**Seawall, Jetty and Bulkhead**—Bradley Beach, N. J.—(Official)—Bids will be received until 8 p.m., Mar. 22, by the Council Chamber, Main St., for the construction of 66 lin.ft. of either reinforced-concrete or creosoted timber seawall; 140 lin.ft. of creosoted or plain timber jetty and bulkhead; about 800 lin.ft. w.-i. outlet pipe with special fittings laid into the ocean from sewage tank. For details see advertisement under "Contracts To Be Let."

★**Repairs and Additions to Beach Protection**—Cape May, N. J.—(Official)—The city of Cape May will receive bids until 8 p.m., Mar. 22, at the Council Chamber, for the renewal, repair and additions to the boardwalk, beach drive, bulkhead and additional protection to the beach front. For details see advertisement under "Contracts To Be Let."

Elimination of Grade Crossing—Elizabeth, N. J.—The Public Utility Commissioners plan to eliminate 24 grade crossings of the Central R.R. of New Jersey in the city of Elizabeth.

Package Elevators—Philadelphia, Penn.—The lowest bid received by the Department of Wharves, Docks & Ferries for the installation of package platform elevators at Piers 38 and 40, South Delaware wharves, was that of the Link Belt Co., Nicetown, at $15,250. The lowest bid for elevators for Southwark Piers was that of the Abre-Clem Elevator Co., at $12,630.

Subway—Philadelphia, Penn.—The bill providing for an election Apr. 29 to vote on a loan of $6,000,000 for subway work has been signed by the Mayor. Noted Mar. 11.

Mausoleum—Reading, Penn.—The Pennsylvania Mausoleum Co., Berks County Trust Bldg., Reading, will receive bids about June 1 for the construction of a one-story, 60x110-ft. mausoleum in Memorial Park. The estimated cost is $100,000. U. J. Smith is Gen. Mgr. D. M. Rothenburg, Lancaster, is Arch.

Retaining Wall—Wilkes-Barre, Penn.—The City Engineering Department is preparing plans for a retaining wall to be constructed along both banks of Solomon's Creek between South Franklin and Vulcan St.

Levee—Augusta, Ga.—The River and Canal Commission has authorized Nisbit Wingfield, City Engr., to prepare plans at once for the construction of that portion of the proposed levee work between the Charleston & West Carolina Ry. and Sands Bar Ferry. Noted Dec. 10.

Wharves—Jacksonville, Fla.—Local press reports state that bids will be received until Mar. 22 by the Board of Port Commissioners for the construction of timber marginal wharves at the Municipal Terminal Docks. About 110,000 sq.ft. of work will be necessary. The appropriation available is $25,000. Noted Dec. 24.

✚**Ditch**—Westover, La.—The Bayou Nolan Drainage District has awarded the contract for the construction of drainage ditches, about 135,000 cu.yd. of earth removal, to G. A. McWILLIAMS, Chicago.

✚**Drainage**—White Castle, La.—The White Castle Drainage District has awarded the contract for the construction of the proposed drainage canal to W. H. LAWS, Plaquemine. A bond issue of $60,000 has been voted for the work.

Drainage—Dresden, Tenn.—Middle Fork and Spring Creek Drainage District, G. T. Mayo, Chn., will receive bids until Apr. 8 for the construction of a drainage system. The following work will be necessary: Contract No. 1,364,700 cu.yd. of levee embankment in north levee, floating dredge work; Contract No. 2,543,550 cu.yd. excavation in Spring Creek ditch, 270,615 cu.yd. embankment in south levee and 41,300 cu.yd. embankment in back water levee No. 2, all with floating dredge; Contract No. 3, clearing about 500 acres floodway between levees. Morgan Engineering Co., Memphis, Tenn. prepared the plans.

✚**Drainage**—Owensboro, Ky.—The contract for the construction of five miles of ditches, about 116,000 cu.yd. of earth removal, has been awarded to J. N. FORGY, at about $12,500.

Creosoted Wood Block Floor—Canton, Ohio—(Official)—Bids will be received until noon, Mar. 24, by R. J. Kunkel, Dir. Pub. Safety, City Hall, for furnishing and laying a creosoted wood block floor in the Central Engine House.

Comfort Stations—Cleveland, Ohio—The city plans to issue bonds to the extent of $1,000,000 for the erection of comfort stations. If the City Council approves the recommendation of the special committee the proposition will be submitted to the voters at the November election.

Elimination of Grade Crossings—Cleveland, Ohio—The Council has approved the plan to advance the city's share of the cost in eliminating grade crossings between Fulton Rd., and Detroit Ave. along the tracks of the New York, Chicago & St. Louis Ry. Work is expected to be begun about Apr. 15. The cost, $2,900,000, is to be borne by the railroad and the city at the ratio of 65% and 35%.

Dancing Pavilion—Cleveland, Ohio—Fred H. Betz, City Arch., 420 City Hall, is preparing preliminary plans for a one-story dancing pavilion to be constructed in Washington Park. The estimated cost is $20,000.

Ditch—Defiance, Ohio—W. T. Wisda, Engr., is preparing plans for the construction of 25 miles of open ditches, for which bids will soon be received. Separate bids will also be received for the construction of a dredge ditch. The estimated cost is $50,000.

Road Graders—Brownstown, Ind.—(Official)—Bids will be received until 2 p.m., Apr. 5, by the Commissioners of Jackson County for furnishing six medium weight road graders. Albert Leudtke is County Audr.

Flood Protection—Indianapolis, Ind.—The city will receive bids on Apr. 23 for flood protection work along the west bank of White River. Plans have been prepared and adopted by the Board of Public Works. The work will include the construction of levees 75 ft. wide. J. T. Jeup, City Engr., states that plans are nearing completion for a levee and street on the east side of White River. The estimated cost of all contemplated protection work is $750,000.

Stone Crusher and Equipment—Salem, Ind.—(Official)—Bids will be received until 1:30 p.m., Mar. 29, by the Commissioners of Washington County for furnishing one mounted stone crusher with elevator and straight chute screen complete. Ira H. Rutherford is County Audr.

✚**Drain**—Walkerville, Mich.—The contract for the construction of the Beaver Drain, involving 220,000 cu.yd. of earth removal, has been awarded to HUGH WOOLMAN, Sandusky, Mich., at $13,000. O. A. Rhodes is County Drain Comr. Noted Feb. 25.

Park Improvements—Chicago, Ill.—The South Park Commissioners, 57th St. and Cottage Grove Ave., will receive bids about Mar. 24 for the construction of formal gardens, ornamental concrete towers, columns, fountains, terraces and balustrades.

Recreation Pier—Chicago, Ill.—Plans are nearing completion for a two-story, 240x600-ft. recreation pier to be constructed at the foot of Grand Ave. for the city. The estimated cost is $150,000. Charles S. Frost, 105 South La Salle St., is Arch. E. C. Shankland, 139 North Clark St., is Chn. of the Com.

Fire Station—Chicago, Ill.—The city plans to construct a two-story fire station at 2322 Foster Ave. The estimated cost is $18,000. C. W. Kallal is Arch.

✚**Grading**—Chicago, Ill.—(Official)—The Pennsylvania R.R. has awarded a contract for grading its property between 12th and Polk St., west of the Chicago River, to P. T. CLIFFORD & SON, Valparaiso, Ind. This is the first contract awarded in connection with the terminal improvements at this point.

Pumping Station—Oquawka, Ill.—Bids will be received until Mar. 20 by County Drainage District No. 3 for the construction of an oil or gas-driven pumping station. The plant will include two duplicate unit pumps having a combined capacity of not less than 16,000 gal. per min. against a maximum static head of 16 ft.

✚✚**Pumping Station**—Quincy, Ill.—The South Quincy Drainage and Levee District has awarded the contract for the construction of an electric pumping station to the FARRAR PUMP & MACHINERY CO., St. Louis, Mo., at $23,040. Noted Jan. 14.

Motor Fire Apparatus—Independence, Kan.—(Official)—George E. Weaver, City Engr., advises us that the fire department expects to be equipped soon with motor fire apparatus.

✚✚**Drainage**—Edina, Mo.—The Supervisors of the Fabius River Drainage District have awarded the contract for the construction of channels, 500,000 cu.yd. of excavation, for District No. 3 to H. K. JOHNSON, Kahoka, Mo., at 5.3c. per cu.yd. The Harmon Engineering Co., Peoria, Ill., prepared the plans. Noted Feb. 1.

Drainage—Osceola, Ark.—The Commissioners of Grassy Lake and Tyronza Drainage District No. 9 will receive bids until Mar. 24 for the construction of 21,600 cu.yd. of levee embankment near Marked Tree; 6700 cu.yd. levee embankment and 9000 cu.yd. of ditches, about 13 miles southwest of Blytheville; 7300 cu.yd. ditches and installation of 62 ft. 12-in. sewer pipe, 50 ft. 18-in. sewer pipe and 198 ft. 24-in. sewer pipe, with concrete bulkheads amounting to 20 cu.yd. at Osceola; furnishing steel for or erecting complete, on concrete abutments, 5 steel bridges. The Magan Engineering Co., Memphis, Tenn., prepared the plans. S. E. Simonson is Chn.

✚**Drainage**—Bay City, Tex.—County Drainage District No. 5 has awarded the contract for the construction of 225,246 cu.yd. of open ditches to J. P. ARPIN DREDGING CO., Houston, at $41,129. E. N. Gustafson is Engr. Noted Jan. 28.

Fire Stations—Ft. Worth, Tex.—The City Commission has acted favorably on the recommendation of the erection of two fire stations. The first will be located at 16th St. and Homan Ave., the other at North and Penn St. The estimated cost is $32,000.

✚**Wharf and Warehouse**—Houston, Tex.—The contract for the construction of the wharf and warehouse, the first unit of the harbor improvement plan, has been awarded to HORTON & HORTON, Houston, at $218,840. Bids were received for this work on Oct. 28, but because of lack of an appropriate site, the award has been held up. Noted Sept. 17, Oct. 8 and Nov. 12.

Dock—Hoquiam, Wash.—Bids will probably be received the latter part of March for the construction of the proposed dock. It will be 150x1250 ft. The estimated cost is $75,000. E. G. Hunt, Aberdeen, is Engr. Noted Mar. 4.

Dikes—South Bend, Wash.—The Board of Commissioners, Diking District No. 2, Pacific County, will receive bids until Mar. 30 for the construction of a system of dikes. Plans are on file at the office of H. A. Bibbs, Engr. of the Dist.

✚**Oil Tanks**—Portland, Ore.—The Shell Oil Co., of California has awarded the contract for the construction of four oil storage tanks to the WILLAMETTE IRON & STEEL WORKS, at about $60,000.

Jetty—Suislaw, Ore.—Bids will soon be received for the construction of the proposed jetty for the Port of Suislaw. The estimated cost is $250,000. Bonds have been sold and the money will be available by Apr. 1.

✚**Oil Tanks**—Martinez, Calif.—The Shell Oil Co. has awarded a contract for the construction of thirty oil tanks to the LACEY MFG. CO., of Los Angeles, at $78,000.

Canal and Tunnels—Springville, Calif.—See item under "Light, Heat and Power."

Wharf Reconstruction—Halifax, N. S.—The Furness Withy Co., Halifax, plans to rebuild its wharf at an estimated cost of $75,000.

Salt Water Baths—Vancouver, B. C.—Bids will be received by Emil Guenther, Arch., Northwest Trust Bldg., Vancouver, for the construction of a salt water bath at English Bay for the Vancouver Salt Water Baths. Work will be of reinforced-concrete, brick and marble. The estimated cost is $75,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

✚**Athol, Mass.**—The contract for the construction of two wings for the high school at Athol has been awarded to LELAND B. TAYLOR. Estimated cost, $55,000. Noted Feb. 4.

Boston, Mass.—Plans have been prepared by Clarence H. Blackwell, Arch., for the construction of a six-story, 23x95-ft. mercantile and office building at 364 Washington St. The estimated cost is $315,000.

Boston, Mass.—Plans are being prepared by Wells & Dana, Arch., 29 Central St., for the construction of an addition and alterations to the Parental School of the City of Boston. The estimated cost is $225,000.

Jamaica Plain, Mass.—(Boston post office)—Plans are being prepared by E. T. P. Graham, Arch., 20 Beacon St., Boston, for the construction of a chapel, industrial school and power house at South Huntington Ave. for the Brothers of Charity. The estimated cost is $100,000.

✚**Malden, Mass.**—The contract for rebuilding the First Baptist Church recently destroyed by fire has been awarded to RENTON WHIDDEN, 70 Devonshire St., Boston. Estimated cost, $80,000.

Springfield, Mass.—A permit has been granted for the construction of a four-story, 59x116-ft. building at 236 North Main St. for Joseph B. Lupien. The estimated cost is $50,000.

✚**Worcester, Mass.**—The contract for the construction of a two-story gymnasium at Penn Ave. and Dorchester St. for the Worcester Polytechnic Institute has been awarded to the EDWARD F. MINER BUILDING CO., 25 Foster St., Worcester. Estimated cost, $100,000. Noted Nov. 19, Dec. 10 and Jan. 7.

✚**New London, Conn.**—The First Baptist Society has awarded the general contract to H. R. DOUGLAS, INC., 73 Jefferson Ave., for the construction of a four-story parish house at State and Washington St. Noted Feb. 4.

Waterbury, Conn.—George W. Kramer & Son, 1 Madison Ave., New York, N. Y., has prepared plans for the construction of an 83x113-ft. building at Grove St. and Central Ave. for the First Baptist Society. Loren R. Carter, 11 East Main St., is Chn. of Bldg. Comn.

Beacon, N. Y.—(Official)—Homer H. Stuart, Pres. of Bd. of Education, informs us that contracts for the construction of a two-story high school, will be awarded about Apr. 1. Noted Jan. 14 and Feb. 18.

Edgewood, N. Y.—Plans are being prepared by Cohn Bros., 361 Stone Ave., Brooklyn, N. Y., for the construction of a four-story, 75x100-ft. apartment house for Oscar Palmleaf, 842 Flatbush Ave. Estimated cost, $45,000.

Lake Placid, N. Y.—The Bank of Lake Placid plans to construct a building on Main St. Estimated cost, $40,000. George A. Stevens is Pres.

New York, N. Y.—(Borough of Bronx)—Bids are being received by Heidelberg & Levy, Arch., 12 West 31st St., New York, for the construction of a three-story, 100x200-ft. market at 149th St. and Courtlandt Ave. for Samuel E. Jacobs, care of the Hudson Realty Co., 30 East 42d St.

New York, N. Y.—(Borough of Bronx)—M. W. Del Gaudio, 401 East Tremont Ave., is preparing plans for the construction of a five-story, 40x88-ft. apartment house on Fordham Rd. near Cambrelling Ave. for the Terrace Construction Co. Estimated cost, $40,000.

✚**New York, N. Y.**—(Borough of Brooklyn)—The contract for rebuilding St. Luke's Protestant Episcopal Church on Clinton Ave. between Fulton St. and Atlantic Ave. has been awarded to HENRY J. BROWN & SON, 257 Jefferson Ave. Dodge & Morrison, 135 Front St., New York, is Arch.

New York, N. Y.—(Borough of Brooklyn)—Plans have been passed upon for the construction of several ten-story concrete loft buildings from 84 Broadway to Wythe Ave., Williamsburg. The cost will be between $500,000 and $600,000. The manufacturers-Citizens Trust Co., 84 Broadway, Brooklyn, is interested.

New York, N. Y.—(Borough of Brooklyn)—Hyman Horowitz has purchased a site on Fifth Ave. between 43d and 44th St. for the construction of a 100x200-ft. motion picture theater. The estimated cost is $100,000.

New York, N. Y.—(Borough of Brooklyn)—Shampan & Shampan, Arch., 772 Broadway, Brooklyn, has prepared plans for the construction of a five-story, 87x100-ft. apartment house at Ross St. near Bedford Ave. for I. Haft. The estimated cost is $83,000.

✚**New York, N. Y.**—(Borough of Brooklyn)—The contract for the construction of the two-story, 76x193-ft. building at Sterling Pl. and Brooklyn Ave. for the St. Gregory's Church has been awarded to PETER CLEARY, 115 Marion St. The estimated cost is $90,000.

New York, N. Y.—(Borough of Brooklyn)—Plans have been prepared by Hopkins & McEntee, Arch., 37 East 28th St., New York, for the construction of a building at Bushwick Ave. between Cooper and Moffat St. for the St. Thomas Episcopal Church, Bushwick Ave. The estimated cost is $40,000.

✚**New York, N. Y.**—(Borough of Manhattan)—The contract for the construction of a nine-story apartment house for the 149 East 40th St. Corporation has been awarded to BING & BING, 119 West 40th St. The estimated cost is $150,000. Robert E. Moss, 126 Liberty St., is Structural Engr.

New York, N. Y.—(Borough of Manhattan)—James C. Green, 2 Columbus Circle, has prepared plans for the construction of a 12-story store and office building at 1562 Broadway, near 47th St., for George B. Burnett, Hotel St. Denis, Broadway and 11th St. Estimated cost, $65,000. Noted Mar. 4.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Donn Barber, Arch., 101 Park Ave., for the construction of a ten-story, 100x100-ft. building at Lexington Ave. and East 53d St., for the Central Branch of the Y. W. C. A. The estimated cost is $600,000. F. A. Burdett & Co., 16 East 33d St., is Engr.

New York, N. Y.—(Borough of Manhattan)—The Finch School for Girls, 61 East 77th St., will construct an addition to its building at 52 East 78th St.

New York, N. Y.—(Borough of Queens)—Bids will be received about Mar. 20 by Edward Hahn, Arch., Bridge Plaza, Long Island City, for the construction of a one-story, 90x100-ft. theater at Steinway and Jamaica Ave., Long Island City, for the Reliable Building Co., 1404 Second Ave., New York. Estimated cost, $50,000.

New York, N. Y.—(Borough of Queens)—(Official)—The bids received by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., New York, for the construction of P. S. No. 41 on Crocheron and Franklin Ave., Bayside, were as follows: M. Farrell, $88,000; T. A. Clarke Co., 122 Livingston St., Brooklyn, $86,300; H. C. Stowe Construction Co., 221 Greenpoint Ave., Brooklyn, $91,250; Frank J. Felgenhauer Co., Inc., 4 Court Sq., Brooklyn, $81,879; W. D. Moore, $84,990; James MacArthur Co., 22 Ormond Pl., Brooklyn, $92,262; J. Kressi, $88,850. Noted Mar. 4.

Rochester, N. Y.—Bids will be received until noon, Mar. 26, by the Board of Education, Municipal Bldg., Fitzhugh St., for the construction of a two-story, 64x120-ft. addition to the Whitney School No. 17 on Orange and Saxton St. Edwin S. Gordon is Arch. and J. S. Mullan is Secy. of Bd. of Education Estimated cost, $60,000.

Rome, N. Y.—The lowest bid received for the construction of a dormitory at the Rome State Custodial Asylum was submitted by the J. F. Growe Construction Co., Albany, at $94,575. R. T. Ford Co., 206 South Ave., Rochester at $18,767 submitted the lowest bid for the heating work.

Utica, N. Y.—Preliminary plans are being prepared by Gouge & Ames, Arch., 70 Genesee St., for the construction of a grade school. The estimated cost is $140,000. Noted Feb. 4.

Utica, N. Y.—Plans are being prepared by F. F. Barnett Co., Arch., Central National Bank Bldg., St. Louis, Mo., for the construction of a three-story building for St. Elizabeth's Hospital. Estimated cost, $200,000. Matthew A. Carton Abbiston is Chn. of Bldg. Com.

West Haverstraw, N. Y.—(Official)—Bids received Mar. 4 by George Blagden, Pres. of Bd. of Mgrs., New York State Hospital for Crippled and Deformed Children, exceeded the appropriation for the construction of a building. New bids will soon be received. Noted Feb. 11.

Asbury Park, N. J.—Contracts will be awarded about Apr. 1 by Leon Cubberley, Arch., Record Bldg., Long Branch, for the construction of a theater for the Butcher Amusement Co. Estimated cost, $70,000. Noted Mar. 11.

Atlantic City, N. J.—Plans are being prepared by William S. Hewitt, Arch., Bartlett Bldg., for the construction of a three-story building for the Ocean View Co., 271 South Connecticut Ave. Estimated cost, $40,000.

Bayonne, N. J.—Bids will soon be received for the construction of a parental home for the Hudson County Parental Home, Jersey City, N. J. Estimated cost, $40,000.

Camden, N. J.—Press reports state that the Philadelphia & Reading Ry. will rebuild its terminal destroyed by fire last January. The estimated cost is $1,000,000 and construction will begin early in 1916. William Hunter, Philadelphia, Penn., is Ch. Engr.

Camden, N. J.—The City Council has been petitioned by the Board of Estimate to call an election for the issuing of $412,000 in bonds. The proceeds will be used for the construction of a high school on Haddon Ave. Noted Dec. 17.

Harrison, N. J.—Plans are being prepared for the construction of a school at Jersey and South Fourth St. for the Church of the Holy Cross. George L. Fitzpatrick is Rector.

+Hoboken, N. J.—MARTIN FARRELL & SON, 1108 Warden St., has been awarded the general contract for the construction of a three-story, 78x78-ft. convent on Clinton St. for the Lady of Grace Church, 400 Willow Ave. Estimated cost, $65,000.

Irvington, N. J.—The city has sold bonds for $80,000, the proceeds to be used for the construction of a school at Irvington.

Jersey City, N. J.—Bids will soon be received by the Board of Chosen Freeholders of Hudson County for the construction of a county jail at Newark Ave. and Willow Court. The estimated cost is $1,000,000, and construction will probably begin about May 1. John T. Rowland, Jr., 98 Sip Ave., is Arch. Noted Dec. 17.

+Jersey City, N. J.—The Zerman Realty & Construction Co. has awarded the contract for the construction of a four-story apartment house on Glenwood Ave. to SAMUEL ZERMAN. Noted Feb. 11.

Jersey City, N. J.—Plans have been prepared by Nathan Welitoff, Arch., 222 Washington St., Newark, for the construction of a five-story, 50x80-ft. apartment house at 121 Garrison Ave. for Mrs. Rose Bergoff. Estimated cost, $50,000.

Jersey City, N. J.—It is reported that the Jersey City Grocers' Association, Colt Bldg., will construct a five-story, concrete building on Merseles St

Jersey City, N. J.—The Carteret Club, Bergen Ave., plans to enlarge its building.

Kearney, N. J.—(Arlington post office)—Preliminary plans are being prepared by Joseph Kennedy, 10 North Fourth St., Harrison, for the construction of a one-story, 62x140-ft. building at Hoyt St. and Kearney Ave., for St. Cecelia's Church. Estimated cost, $45,000.

Montclair, N. J.—Plans are being prepared by Holmes & Winslow, 103 Park Ave., New York, N. Y., for the construction of a one-story, 29x80-ft. building at 493 Bloomfield Ave. for the Essex National Bank. Estimated cost, $45,000. William Grant is Pres. of the bank.

Montclair, N. J.—The Claremont Co. plans to construct a three-story apartment house on Claremont Ave., near Highland Ave. Estimated cost, $45,000.

Newark, N. J.—The State Senate has passed a bill providing for the construction of a memorial building in connection with the 250th anniversary—in 1916—of the city's founding. The estimated cost is $2,000,000. Franklin Murphy, is Chn. of Bldg. Comm.

Newark, N. J.—Plans are being prepared by Edward V. Warren, Arch., 22 Clinton St., for making alterations and remodeling the Family Theater at Washington and Marshall St. Estimated cost, $40,000.

New Brunswick, N. J.—Bids will be received until 8 p.m., Apr. 6, by the Board of Education for the construction of a high school. Noted Dec. 3 and Jan. 28.

Princeton, N. J.—The Directors of Princeton University plan to construct a dormitory building between the Art Museum and Dodd Hall. The estimated cost is $220,000. John G. Hibben is Pres.

+Trenton, N. J.—METZGER & FIELD, 47th and Spruce St., Philadelphia, Penn., has been awarded the contract for the construction of a three-story, 34x250-ft. addition for the House of Detention for Convict and Criminal Insane at the State Hospital. The estimated cost is $50,000. Noted Feb. 18.

West Orange, N. J.—Preliminary plans are being prepared for the construction of a two-story store and apartment building at Valley Rd. and Washington St. Estimated cost, $40,000.

Woodbury, N. J.—Bids will soon be received by Charles R. Peddle, Arch., for the construction of a two-story, 23x88-ft. bank building for the Woodbury Trust Co. The estimated cost is $45,000.

+Allentown, Penn.—The contract for the construction of a building for the Second National Bank has been awarded to GEORGE H. HARDNER. Estimated cost, $70,000.

+Allentown, Penn.—The OCHS CONSTRUCTION CO., at $41,434, was awarded the contract for the construction of a building at 15th and Walnut St. for the St. James Reformed Church.

Carbondale, Penn.—Contracts will be awarded about May 1 by E. H. Davis, Arch., Connell Bldg., Scranton, for the construction of a four-story high school for the Carbondale School District. The estimated cost is $200,000. Noted Dec. 31 and Jan. 14.

+Conshohocken, Penn.—The contract for the construction of a one-story, 56x138-ft. building for St. Matthew's Church has been awarded to WILLIAM R. DOUGHERTY. Estimated cost, $100,000.

Dickson City, Penn.—An election will be held Mar. 30 to vote on the issuing of $75,000 in bonds for the construction of a school in the First Ward.

+Easton, Penn.—R. T. & C. D. STEWART CONSTRUCTION CO. has been awarded the contract for the construction of a seven-story building for William Laubach & Sons, Inc.

Meadville, Penn.—Plans are being prepared by Harry D. Whitfield, New York, N. Y., for the construction of Carnegie Hall of Chemistry at Allegheny College. Estimated cost, $40,000.

Myerstown, Penn.—Plans are being prepared by A. A. Richter, Arch., Reading, for the construction of a three-story, 75x150-ft. building for the Albright College. The estimated cost is $90,000.

+Philadelphia, Penn.—The contract for the construction of an addition to the Sharswood School has been awarded to P. J. HURLEY, 1233 Cherry St., at $98,900.

Philadelphia, Penn.—Henry L. Brown, 1714 Sansom St., at $279,597, submitted the lowest bid for the general contract for the construction of the three-story, 132x315-ft. school at 56th St. and Kingsessing Ave.

+Philadelphia, Penn.—The contract for the construction of an apartment house at 21st and Venango St. for H. K. Read has been awarded to I. T. SHOEMAKER, 1309 Walnut St., at about $72,000.

Pittsburgh, Penn.—McClure & Spahr, Arch., 320 Fourth Ave., is preparing plans for the construction of a ten-story 45x72-ft. store and office building at Fourth Ave. and Ross St. for B. F. Jones, Jr., of the Jones & Laughlin Steel Co.

Pottsville, Penn.—Walter Wertley & Son, at $44,250, submitted the lowest bid for the construction of a three-story, 65x122-ft. high school. Francis X. Reilly is Arch. Noted Dec. 24.

Radnor, Penn.—A. J. Drexel Paul will construct a 2½-story, 80x167-ft. building. The estimated cost is $100,000. Charles A. Platt, 11 East 24th St., New York, N. Y., is Arch.

Scranton, Penn.—Plans are being prepared by Edward Langeley, Arch., Connell Bldg., for the construction of an eight-story office building for the Scranton Life Insurance Co., Connell Bldg. The estimated cost is $400,000. Noted Feb. 11.

South Bethlehem, Penn.—Bids will soon be received by Dr. Yost, Secy. of School Bd., Fourth and Vine St., for the construction of a three-story high school. Estimated cost, $175,000. A. W. Leh, Post Office Bldg., is Arch. Noted Feb. 25.

Wilkes-Barre, Penn.—Bids are being received by Sturdevant & Poggi, Arch., Coal Exchange Bldg., for the construction of the five-story, 54x120-ft. Masonic Temple. The estimated cost is $75,000. Noted Nov. 19.

Wilmington, Del.—The Y. W. C. A. plans to construct a fireproof building to cost about $125,000.

Washington, D. C.—Plans are being prepared for the construction of a three-story addition to the Casualty Hospital on Massachusetts Ave. Estimated cost, $40,000.

Warwood, W. Va.—Plans are being prepared by Fred F. Faris, Wheeling, W. Va., for the construction of the Central Warwood School. Estimated cost, $40,000.

Columbia, S. C.—An election will be held Mar. 23 by the School Commission, to vote on issuing $250,000 in bonds for the construction of a high school and additions to the grammar schools.

Ridgeland, S. C.—Bids will be received until noon Apr. 6, by J. E. Gill, County Super., for the construction of the county courthouse and jail. William A. Edwards, 633 Candler Bldg., Atlanta, Ga., is Arch.

Conyers, Ga.—Plans are being prepared by W. A. Edwards, Arch., 633 Candler Bldg., Atlanta, Ga., for the construction of a school. Estimated cost, $50,000.

Louisville, Ky.—(Official)—Bids will be received by Samuel D. Jones for the construction of a two-story school. Estimated cost, $75,000. John E. Henry is Arch. Noted Mar. 11.

Cleveland, Ohio—Plans are being prepared for the construction of a building at West 65th St. and Lorain Ave. for the Ohio State Telephone Co., Electric Bldg. Estimated cost, $200,000. Charles Y. McVey is Mgr.

Cleveland, Ohio—Bids will be received until noon, Mar. 22, by the Board of Education for the construction of a three-story addition to the Hazeldell School at East 123d St. and St. Clair Ave. Estimated cost, $150,000.

Cleveland, Ohio—Willard Hirch, Arch., 1302 Swetland Bldg., has prepared plans for the construction of a four-story, 55x183-ft. apartment house at 3147 Prospect Ave. S. E. for the United Improvement Co. The estimated cost is $75,000.

Cleveland, Ohio—Edward Curtis, Stoneman Bldg., is preparing plans for the construction of a three-story apartment house at Whitehorn Ave. and East 77th St. for the Addison Square Realty Co. Estimated cost, $40,000.

+Columbus, Ohio—(Official)—The contract for the construction of the Studer Ave. School has been awarded to D. W. McGRATH, at $182,385. Edward B. MacFadden is Clk. of Bd. of Education. Noted Mar. 11.

Fostoria, Ohio—McLaughlin & Hulsken, Arch., Lima, is preparing plans for the construction of a three-story high school. The estimated cost is $130,000.

✚Rittman, Ohio—The Board of Education awarded the general contract for the construction of the $40,000 high school to FORAKER BROS., Barberton. Noted Aug. 13, Sept. 17 and Feb. 25.

Toledo, Ohio—The Board of Education contemplates the construction of a school on Sherman St. Estimated cost, $200,000.

Willoughby, Ohio—Bids will be received until Mar. 20 by the Board of Education for the construction of a three-story, 101x121-ft. high school. F. C. Warner, Hippodrome Bldg., Cleveland, is Arch. Noted Oct. 8, Jan. 21 and Feb. 4.

Ben Davis, Ind.—(Bridgeport post office)—G. W. Gordon, Arch., 1438 Park Ave., Indianapolis, has prepared plans for the construction of a two-story, 96x108-ft. school for Joseph M. Hillman, R. F. D. 21, West Indianapolis (Indianapolis post office). Estimated cost, $50,000.

Goshen, Ind.—The Board of Education contemplates the construction of a vocational school at Goshen. Estimated cost, $50,000.

Detroit, Mich.—Plans are being prepared by W. B. Stratton, Arch., 1103 Union Trust Bldg., for the construction of a theater at Woodward and Horton Ave. for the Regent Theater Co. The theater will have a seating capacity of 3500 and cost about $150,000.

Detroit, Mich.—Bids will be received until Mar. 30 by Charles A. Gadd, Secy. of Bd. of Education, 50 Broadway, for the construction of the Southeastern High School.

Detroit, Mich.—Joseph P. Jogerst, Arch., 1402 Kresge Bldg., is preparing plans for the construction of a six-story, 71x75-ft. apartment house for Sam Plotkin, 410 Moffat Bldg. The estimated cost is $150,000.

Detroit, Mich.—Bids will be received until 4:30 p.m., Mar. 23, by Charles A. Gadd, Secy. of Bd. of Education, 50 Broadway, for the construction of an addition to the Garfield School.

Lansing, Mich.—The State Senate has passed a bill for an appropriation of $600,000 for the construction of a state building. Noted Feb. 4.

Lowell, Mich.—Contracts will be awarded about Apr. 1 for the construction of a high school to cost about $50,000. E. M. Wood, Alma, is Arch.

Chicago, Ill.—Joseph E. Swanson, 3122 Sheridan Rd., has purchased a site at Lincoln Park West and Fullerton Parkway, for the construction of an apartment house. The estimated cost is $200,000.

Palestine, Ill.—Plans have been prepared by Hewitt & Emerson, Arch., 321 Main St., Peoria, for the construction of a two-story, 100x140-ft. high school. The estimated cost is $50,000. Contracts will be awarded about Apr. 20.

La Crosse, Wis.—Bids will be received about Mar. 25 by Parkinson & Dockendorff, Arch., for the construction of two wings to the hospital of the Sisters of St. Francis. One will be four stories, 45x46 ft. and the other three stories, 41x88 ft. Estimated cost, $100,000. Noted Mar. 11.

Manson, Iowa—Bids will be received until Mar. 25 by the Clerk of the Board of Education for the construction of a high school. The estimated cost is $40,000. E. O. Damon, Jr., Ft. Dodge, is Arch.

Missouri Valley, Iowa—Bonds to the amount of $80,000 have been voted for the construction of a high school. Noted Feb. 11.

Duluth, Minn.—Bids will be received until 1 p.m., Mar. 29, by the Board of Education for the construction of the Lincoln High School. Noted Dec. 31.

Glenwood, Minn.—Citizens voted in favor of issuing $50,000 in bonds for the construction of a high school. Noted Dec. 31.

✚Minneapolis, Minn.—(Official)—C. H. Johnston, Arch., 715 Capital Bank Bldg., St. Paul, informs us that the HODGIN CONSTRUCTION CO., St. Paul, at about $131,000, has been awarded the contract for the construction of the biology building at the University of Minnesota. Noted Oct. 22, Dec. 31 and Feb. 4.

St. Paul, Minn.—C. H. Johnston, Arch., 715 Capital Bank Bldg., has prepared plans for the construction of ward buildings for a hospital. The estimated cost is $80,000.

Manhattan, Kan.—H. B. Winter, Arch., has prepared plans for the construction of a two-story, 64x97-ft. building for the First Presbyterian Church. Estimated cost, $40,000.

Marysville, Kan.—The Board of Education plans to construct a $45,000 school at Marysville. E. O. Webber is Pres. of Bd. of Education.

Winfield, Kan.—Plans have been prepared by William Mampe for the construction of a four-story, 60x175-ft. dormitory at St. John's College.

Omaha, Neb.—The Masonic Lodges plan to construct an eight-story fireproof building on 16th St. and Capitol Ave. The estimated cost is $300,000.

Canton, S. D.—Miller, Fullenweider & Dowling, Arch., 116 South Michigan Ave., Chicago, Ill., has prepared plans for the construction of a high school. The estimated cost is $65,000.

Douglas, Wyo.—Plans have been prepared by W. N. Bowman, Arch., 915 Central Savings Bank Bldg., Denver, Colo., for the construction of a two-story, 60x80-ft. county court house. Estimated cost, $40,000.

Butte, Mont.—Work will be started about Apr. 1 on the construction of a depot at Montana St. for the Chicago, Milwaukee & St. Paul Ry. The estimated cost is $250,000. A. J. Earling is Pres. and C. F. Loweth is Ch. Engr.

Jefferson City, Mo.—The Legislature has made appropriations for constructing additions and making alterations to the state educational institutions as follows: Kirksville, $289,750; Warrensburg, $232,150; Cape Girardeau, $199,000; Springfield, $261,000; Maryville, $141,500; Lincoln, $116,000; University of Missouri, Columbia, $1,108,300; Missouri School of Mines and Metallurgy, Rolla, $165,200. Floyd Tuggle is Chn. of the House Appropriations Com. Noted under **Columbus, Mo.**, Jan. 14.

Kansas City, Mo.—According to press reports W. E. Halsell, T. H. Thompson and S. H. Hogsett propose to construct a six-story interurban railway station at 14th, 15th and Main St. and Baltimore Ave. The estimated cost is $1,000,000. Samuel B. Tarbet, 507 Republic Bldg., is Arch.

St. Joseph, Mo.—(Official)—Plans have been prepared by Eckel & Aldrich, Arch., for the construction of a five-story, 140x170-ft. building for the Methodist Episcopal Hospital. Noted Nov. 12 and 26.

✚Austin, Tex.—The First Baptist Church awarded the contract to JAMES WATTERSON for the construction of a one-story, 80x130-ft. building at 10th and Colorado St. Estimated cost, $65,000.

Dallas, Tex.—Plans are being prepared by William B. Ittner, Arch., 408 Board of Education Bldg., St. Louis, Mo., for the construction of the South Dallas High School and the Winnetka Ward School. J. M. McCormick is Pres. of Bd. of Education.

(Buildings continued on page 140)

MYSTIC VALLEY PARKWAY, MEDFORD, MASS.

Contract No. 174

Bids were received Feb. 9 by John R. Rablin, Engr., 15 Beacon St., Boston, for grading, surfacing and other work of the Mystic Valley Parkway from Main St. to Mystic Ave., Medford, from: (A) M. Russo & Son Co., Boston; (B) Joseph McCormick, East Providence, R. I.; (C) John Landis, Boston; (D) George T. Rendle Co. and Rendle & Stoddard, Boston; (E) Lawler Bros., Charlestown; (F) Susi & Williams, Boston; (G) Michael D. Russo, Boston; (H) William R. Farrell, Allston; (I) John P. Cavanagh Co., Dorchester; (J) Peter Bombiani & Co., West Quincy; (K) Middlesex Contracting Co., Framingham; (L) Hugh Nawn Contracting Co., Roxbury; (M) B. Perini & Co., Ashland; (N) William J. McCarthy Co., Somerville; (O) John Cashman & Sons Co., Boston; (P) William B. Mullen, Belmont; (Q) Timothy B. Moynihan, South Hamilton; (R) Charles A. Kelley, Somerville; (S) Rowe Contracting Co., Brighton; (T) James H. Fannon, Somerville; (U) Richmond F. Hudson, Melrose; (V) COLEMAN BROS., Boston (awarded contract). The item bids were as follows:

GRADING AND SURFACING—MYSTIC VALLEY PARKWAY, MEDFORD, MASS.

	A	B	C	D	E	F	G	H	I	J	K
4000 cu.yd. earth grading	$0.40	$0.75	$0.53	$0.80	$0.75	$0.55	$0.48	$0.75	$0.35	$0.50	$0.50
45,000 cu.yd. filling material	1.35	1.20	1.16	1.00	0.85	0.95	0.93¾	0.75	0.84	0.92	1.00
850 lin.ft. 10-in. vitrified pipe drain	0.50	0.45	0.45	0.36	1.50	0.60	0.41½	0.57	0.50	0.52	0.30
800 lin.ft. 12-in. vitrified pipe drain	0.50	0.50	0.55	0.41	1.60	0.75	0.45	0.61	0.50	0.58	0.35
400 lin.ft. 24-in. vitrified pipe drain	1.50	3.00	0.65	1.19	2.50	2.00	1.55	1.57	1.60	1.26	1.50
26 catch-basins and manholes	35.00	40.00	30.00	65.00	125.00	30.00	23.50	50.00	40.00	55.00	35.00
170 lin.ft. straight edgestone	1.25	1.25	1.00	1.00	1.10	1.00	1.25	1.38	2.00	1.49	1.10
140 lin.ft. curved edgestone	1.65	1.60	1.25	1.00	1.75	1.25	1.55	1.95	2.00	1.79	1.25
3000 cu.yd. loam	1.35	1.50	1.50	2.80	1.60	1.50	2.15	2.58	2.25	1.25	1.25
11,000 sq.yd. roadway surfacing	0.56	0.57	0.58	0.70	0.85	0.70	0.79	1.15	0.75	0.68	0.55
3200 sq.yd. walk surfacing	0.30	0.30	0.45	1.00	1.00	0.75	0.78	0.87	0.65	0.50	0.20
750 cu.yd. stone masonry	5.50	6.50	10.00	7.00	10.00	10.70	7.10	8.00	8.50	5.25	4.75
Extended totals	$80,423	$77,064	$76,347	$75,860	$73,337	$70,610	$69,362	$69,332	$65,789	$63,511	$63,400

	L	M	N	O	P	Q	R	S	T	U	V
4000 cu.yd. earth grading	$1.00	$0.47	$0.35	$0.45	$0.50	$0.35	$0.30	$0.50	$0.40	$0.60	$0.40
45,000 cu.yd. filling material	0.75	0.85	0.85	0.65	0.78	0.85	0.75	0.67½	0.69	0.62	0.56
850 lin.ft. 10-in. vitrified pipe drain	0.60	0.47	0.45	0.40	0.45	0.40	0.35	0.50	0.40	0.40	0.30
800 lin.ft. 12-in. vitrified pipe drain	0.70	0.57	0.55	0.50	0.55	0.45	0.45	0.60	0.50	0.45	0.40
400 lin.ft. 24-in. vitrified pipe drain	2.00	2.50	1.40	1.50	1.35	1.50	1.35	2.00	1.50	1.25	1.25
26 catch-basins and manholes	100.00	30.00	35.00	60.00	45.00	35.00	35.00	30.00	25.00	30.00	50.00
170 lin.ft. straight edgestone	1.05	1.10	1.00	1.25	0.95	1.00	1.00	1.10	1.10	1.25	1.00
140 lin.ft. curved edgestone	2.00	1.25	1.25	1.40	1.40	1.75	1.10	1.50	1.40	1.75	1.50
3000 cu.yd. loam	1.50	1.10	1.15	2.00	1.15	1.00	1.15	1.20	1.25	1.00	1.00
11,000 sq.yd. roadway surfacing	0.75	0.47	0.50	0.75	0.60	0.60	0.45	0.60	0.60	0.55	0.49
3200 sq.yd. walk surfacing	0.90	0.47	0.30	0.70	0.25	0.20	0.30	0.35	0.35	0.40	0.30
750 cu.yd. stone masonry	6.00	6.00	7.00	8.10	6.50	4.00	6.00	6.00	3.00	5.00	6.50
Extended totals	$62,808	$57,601	$57,447	$56,923	$55,715	$55,515	$51,241	$51,077	$48,743	$46,817	$43,780

Denton, Tex.—The citizens of Denton have voted in favor of issuing $110,000 in bonds for the construction of a school.

Pocatello, Idaho—Bonds to the amount of $200,000 will soon be voted on by the citizens for rebuilding the high school recently destroyed by fire.

Carson City, Nev.—The University of Nevada plans to construct an agricultural building. The estimated cost is $80,000. Bliss & Faville, Balboa Bldg., San Francisco, Calif., is Arch.

Fall City, Wash.—Bids will be received about Mar. 20 by the School Board for the construction of a school to cost about $50,000. Stephen & Stephen, New York Blk., Seattle, is Arch.

Olympia, Wash.—The Olympia National Bank is having preliminary plans prepared for the construction of a fireproof bank building at Fifth and Main St. Estimated cost, $50,000.

Pomeroy, Wash.—The Knights of Pythias contemplate the construction of a building. The estimated cost is $40,000. C. A. Thompson is Member of Bldg. Com.

Seattle, Wash.—A. V. Williams, New York Blk., is Representative for a number of Chinese capitalists of Portland, Ore. They plan to construct a three-story hotel at Seventh Ave. and King St. Estimated cost, $50,000.

✚**Portland, Ore.**—The contract for the construction of the four-story office building on East Ankeny St. for the Blake-McFall Co. has been awarded to JOHN ALMETER, at about $90,000. Noted Dec. 24 and under "Industrial Works," Nov. 19.

✚**Colton, Calif.**—The contract for the construction of a school for the Colton School Board has been awarded to NANCE PHELPS CO., Los Angeles, at $50,383. Noted Oct. 22.

Long Beach, Calif.—Plans have been prepared by W. H. Austin, Arch., Elm Ave., for the construction of six additional stories to the wing and two additional stories to the center building of Hotel Schuyler on Ocean Ave. near Pine St., Estimated cost, $60,000.

Los Angeles, Calif.—Plans are being prepared by Morgan, Walls & Morgan, Van Nuys Bldg., for the construction of a two-story school on East Seventh St. The estimated cost is $75,000.

✚**Los Angeles, Calif.**—L. T. MAYO, Story Bldg., has been awarded the contract for the construction of a three-story hotel on Hope St. for Bertha M. Fisher and Elizabeth Hodgkins. The estimated cost is $50,000.

Los Angeles, Calif.—Eisen & Son, Arch., Wilcox Bldg., has prepared plans for the construction of a two-story brick school on 20th St. The estimated cost is $50,000.

Los Angeles, Calif.—The Board of Education will construct a two-story school on 14th St. C. H. Russell, 1114 Story Bldg., is Arch. The estimated cost is $100,000.

Pasadena, Calif.—Train & Williams, Arch., Exchange Bldg., Los Angeles, is preparing plans for the construction of an apartment house at Orange Grove Ave., and Elevando Drive for the F. R. Kellogg Co., Douglas Bldg., Los Angeles. The estimated cost is $150,000.

Sacramento, Calif.—The Sacramento Country Club has purchased a site in the Carmichael Colony. The club plans to construct a $50,000 building. George W. Peltier is interested.

San Diego, Calif.—Harrison Albright, Arch., Laughlin Bldg., Los Angeles, has prepared preliminary plans for the construction of a five-story, 100x200-ft. reinforced-concrete building for city uses on Broadway for John D. Spreckles. Estimated cost, $500,000.

Municipal Bond Sales during February totaled $38,000,000, compared with $34,606,000 in the corresponding month of last year. In the first two months of the year, however, there is a decrease, which is not so much a falling off as it is the comparison with unusual sales during January, 1914.

The Railway & Contractors Supply Permanent Exhibit, Chicago, Ill., has leased an entire floor in the Lytton Bldg., State and Jackson St. This organization maintains show space and offices for manufacturers having no office in the business district. Space may be rented at $3.50 per sq.ft. per year, including office equipment, telephone service, etc. A public stenographer is present, while a clerk is employed to forward all communications during a tenant's absence. The following companies have rented exhibit and office space: Novo Engine Co., Troy Wagon Works, Pulsometer Steam Pump Co., Wemlinger Steel Piling Co., Gold Car Heating & Lighting Co., Chicago Steel Car Co., William Sellers & Co., Bessemer Gas Engine Co., Eynon Continuous Crossing Co., O. M. Edwards Co., W. H. Anderson Tool & Supply Co., Chicago Steel Tape Co., American Cement & Machine Co.

BROAD ST. BRIDGE, PHILADELPHIA, PENN.

Contract No. 201

✚★Bids were received Feb. 25 by Morris L. Cooke, Dir. Dept. of Pub. Wks., for the construction of a concrete bridge to carry Broad St. over the joint four-track railway, South Philadelphia track elevation, from: (A) MacArthur Bros. Co. and Mason & Hanger Co., 11 Pine St., New York; (B) Charles P. Bower, Wayne and Roberts Ave., Philadelphia; (C) Robert Grace Contracting Co., 514 Smithfield St., Pittsburgh; (D) American Paving & Construction Co., 211 South Ninth St., Philadelphia; (E) M. & J. B. McHugh, 714 Commercial Trust Bldg., Philadelphia; (F) Snare & Triest Co., 233 Broadway, New York; (G) Carl R. Camp, Crozer Bldg., Philadelphia; (H) E. E. Smith Contracting Co., 101 Park Ave., New York; (I) William H. Millard, 12th St. and City Line, Philadelphia; (J) A. L. Guidone & Co., 131 East 23d St., New York; (K) McHarg-Barton Co., 171 Madison Ave., New York; (L) Francis J. Boas, 201 North Broad St., Philadelphia; (M) Thomas F. Reilly, 50th St. and City Ave., Philadelphia; (N) Kelley-McFeeley Co., 432 Market St., Camden, N. J.; (O) ARTHUR McMULLEN CO., INC., 149 Broadway, New York (awarded contract); (P) Edwin H. Vare, 1120 Race St., Philadelphia. The item bids were as follows:

BROAD ST. BRIDGE, PHILADELPHIA, PENN.
Contract No. 201

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
100 cu.yd. excavation, unclassified	$1.15	$1.65	$5.00	$2.00	$1.50	$1.50	$2.00	$4.00	$1.50	$1.00	$1.50	$1.00	$2.25	$1.50	$3.00	$2.50
100 cu.yd. 1-3-6 concrete below neat lines	5.80	10.00	7.50	6.00	6.50	7.50	15.00	7.00	6.50	6.00	5.00	10.00	5.75	9.00	7.00	6.00
100 cu.yd. 1-3-6 concrete above neat lines	5.80	10.00	7.50	7.00	7.00	7.00	8.00	9.00	8.50	5.00	6.50	9.00	6.85	11.00	8.00	7.00
100 cu.yd. 1-2½-5 concrete in place	7.05	10.00	8.00	7.00	8.00	8.00	9.00	9.00	8.50	5.00	5.00	9.00	9.00	11.00	8.25	8.00
100 cu.yd. 1-2-5 concrete in place	7.75	10.00	8.50	8.00	9.00	8.00	10.00	10.00	10.00	5.00	5.00	9.00	10.00	11.00	8.50	8.00
100 cu.yd. 1-2-4 concrete	0.03	0.03¼	0.05	0.05	0.06	0.05	0.04	0.03	0.03	0.03¼	0.03	0.03	0.03	0.05	0.03	0.10
1000 lb. steel rods	0.10	0.08	0.12	0.12	0.09	0.20	0.08	0.10	0.10	0.10	0.10	0.25	0.07	0.04	0.05	0.20
100 sq.ft. bush hammering	50.00	75.00	60.00	60.00	100.00	50.00	50.00	75.00	100.00	50.00	80.00	80.00	70.00	60.00	40.00	125.00
1000 M wooden railings	0.10	0.12	100.00	0.05	0.12	0.25	0.02	0.25	0.15	0.03	0.20	0.10	0.02	0.03	0.12	0.25
100 sq.ft. corrugated asbestos boards	4.50	2.50	1.00	3.00	2.00	3.50	3.00	3.50	3.50	3.75	1.50	2.50	2.50	3.50	2.50	2.80
10 sq.yd. granite block paving	1.50	2.00	3.50	1.25	1.25	1.20	2.00	1.50	1.50	1.75	1.25	1.50	0.95	1.50	2.00	1.20
10 sq.yd. macadam paving	0.25	0.20	2.50	2.50	0.25	0.12	1.60	0.25	0.25	1.85	2.00	3.50	1.75	0.15	2.00	0.18
100 sq.ft. asphaltic mastic waterproofing	2.50	2.50	3.00	2.50	2.50	2.50	0.70	2.50	2.50	1.50	0.15	0.25	0.15	2.50	1.00	2.00
10 sq.yd. vitrified brick gutter	1.00	1.00	1.00	0.67	0.75	1.20	1.50	1.50	0.50	0.70	0.75	2.00	0.85	0.65	1.00	0.60
10 lin.ft. 5-in. straight bluestone curb	1.00	1.00	1.25	1.50	1.25	1.20	1.50	1.50	1.25	0.15	0.50	2.00	0.85	0.85	1.00	0.70
10 lin.ft. 8-in. steel-bound grano curb	0.15	0.15	0.45	0.25	0.50	0.35	0.30	0.35	0.10	0.15	0.10	0.10	0.10	0.15	0.50	0.15
100 lin.ft. 4-in. vitrified clay pipe	0.07	0.07	0.15	0.06	0.06	0.06	0.06	0.07	0.10	0.06	0.06	0.10	0.05	0.06	0.12	0.04
1000 lb. pig lead	0.10	0.07	0.20	0.06	0.06	0.60	0.60	0.15	0.15	0.06	0.15	0.10	0.05	0.40	0.25	0.06
100 lb. jute gasket	0.75	0.60	0.80	0.60	0.60	0.60	0.20	0.60	1.00	0.50	0.50	0.75	0.50	0.60	0.60	0.60
Foreman, per hour	0.35	0.25	0.30	0.22½	0.20	0.30	0.60	0.25	0.60	0.30	0.20	0.40	0.30	0.25	0.25	0.20
Laborer, regular hours	0.55	0.25	0.50	0.22½	0.30	0.40	0.60	0.40	0.70	0.25	0.20	0.40	0.25	0.38	0.25	0.20
Laborer, overtime	0.65	0.60	0.60	0.50	0.60	0.70	0.60	0.75	0.70	0.55	0.50	0.65	0.55	0.60	0.40	0.55
Carpenter, regular hours	1.30	0.90	1.00	0.50	0.90	1.00	0.60	1.00	1.40	1.10	1.00	1.00	0.50	0.90	0.60	0.55
Carpenter, overtime	0.80	0.90	0.60	0.60	0.50	0.90	0.60	0.70	0.50	0.50	0.45	0.65	0.75	0.75	0.30	0.45
Cement finisher, regular hours	1.60	1.00	1.00	0.75	0.75	0.70	0.75	1.00	1.00	1.00	0.75	1.00	0.70	0.70	0.45	0.70
Cement finisher, overtime	0.80	0.75	2.00	0.75	1.13	1.40	1.50	1.40	2.00	0.62½	0.75	0.75	1.05	1.05	0.70	0.70
Bricklayer, regular hours	1.60	1.50	1.00	0.75	0.60	0.70	0.70	0.90	1.00	1.25	1.00	1.00	0.90	0.90	0.70	0.40
Bricklayer, overtime	0.65	0.60	2.00	0.60	0.90	1.00	1.40	1.40	1.00	0.50	0.60	0.65	0.90	0.90	1.05	0.40
Plumber, regular hours	1.30	0.90	0.60	0.25	0.35	0.40	0.30	0.50	0.60	0.40	0.30	0.35	0.40	0.30	0.30	0.30
Plumber, overtime	0.35	0.35	0.90	0.25	0.50	0.70	0.60	0.75	1.20	0.60	0.60	0.60	0.60	0.45	0.45	0.50
Plumber's helper, regular hours	0.70	0.50	0.50	0.70	0.60	0.90	0.75	0.75	1.00	0.60	0.70	0.70	0.60	0.70	0.70	0.50
Plumber's helper, overtime	1.00	0.65	0.80	0.70	0.60	0.70	0.75	0.75	1.20	0.60	0.70	0.70	0.70	0.70	0.70	0.50
Use of team and driver, per hour	15%	20%	20%	15%	15%	10%	25%	20%	20%	10%	10%	20%	15%	15%	10%	10%
Amount added to net cost of material	15	20	20	14	18	12	17	16	20	24	22	22	11	16	18	18
Time of completion in months																
Extended totals	$309,950	$344,614	$299,339	$318,719	$343,543	$263,287	$298,533	$363,328	$260,731	$360,596	$290,717	$327,212	$291,835	$307,656	$242,296	$254,153

Extended totals	$309,956	$344,614	$299,339	$318,719	$343,543	$263,287	$298,533	$360,328	$260,731	$360,596	$290,717	$327,212	$291,835	$307,656	$242,258	$254,153